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Assessing Food Security Across Connecticut Towns for 2009

Kendall Erskine
University of Connecticut - Storrs, kendall.erskine@gmail.com

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By
Kendall A. Erskine

College of Agricultural and Natural Resources

University of Connecticut

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Table of Contents

List of Figures

Page

List of Tables

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Abstract

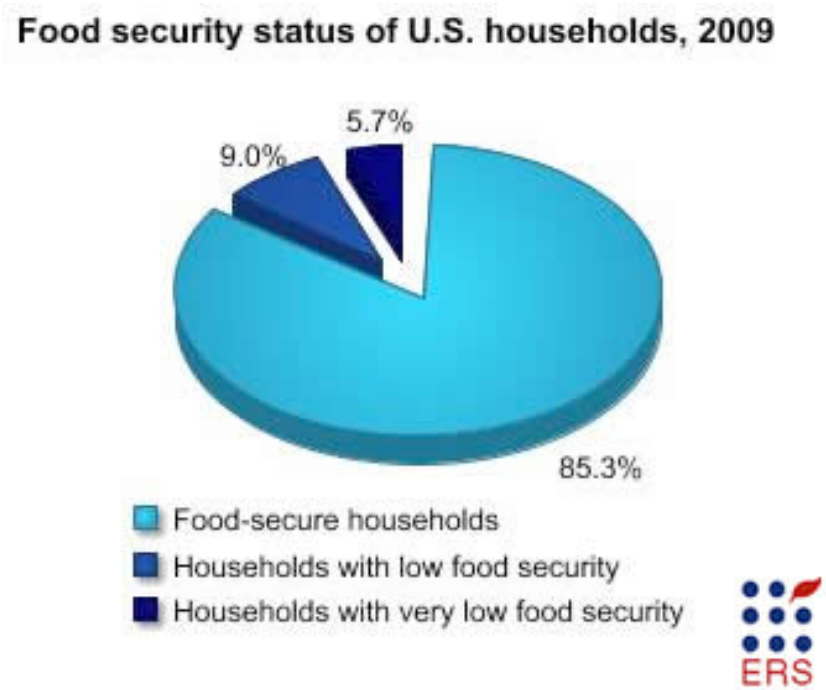
Food security is an increasingly critical issue in the United States with health-related issues consistently on the rise. Community food security, an extension of household food security, should be measured in order to better understand the food systems of towns and cities in Connecticut. This study measured community food security on the town level in Connecticut through quantifying approximately 40 indicators of food security including socio-demographic factors, community food resources, household food security, food resource accessibility, food availability and affordability, and community food production resources. The towns and cities in Connecticut are then ranked from best to worst community food security. The 10 key indicators are also correlated in order to see which indicators most closely relate to community food security rankings. The results of this study will be used to further analyze the community food security of towns and cities in Connecticut and eventually advise policy-makers in decisions about efforts to better the food system and increase food security.

Section 1. INTRODUCTION

1.1 Background

Whether or not households are able to put food on their tables is a vital contributor to the health and well being of individuals and communities. Food insecurity, or the inability of households to meet basic food needs for an active and healthy lifestyle, is a growing concern. In the United States 14.7 percent of households were food-insecure in 2009, meaning they were unable either physically or economically to acquire enough food to meet the needs of all their members (Economic Research Service). See Figure 1.[1] These rates are actually on the rise in

Figure 1



Note: Food-insecure households include those with low food security and very low food security.

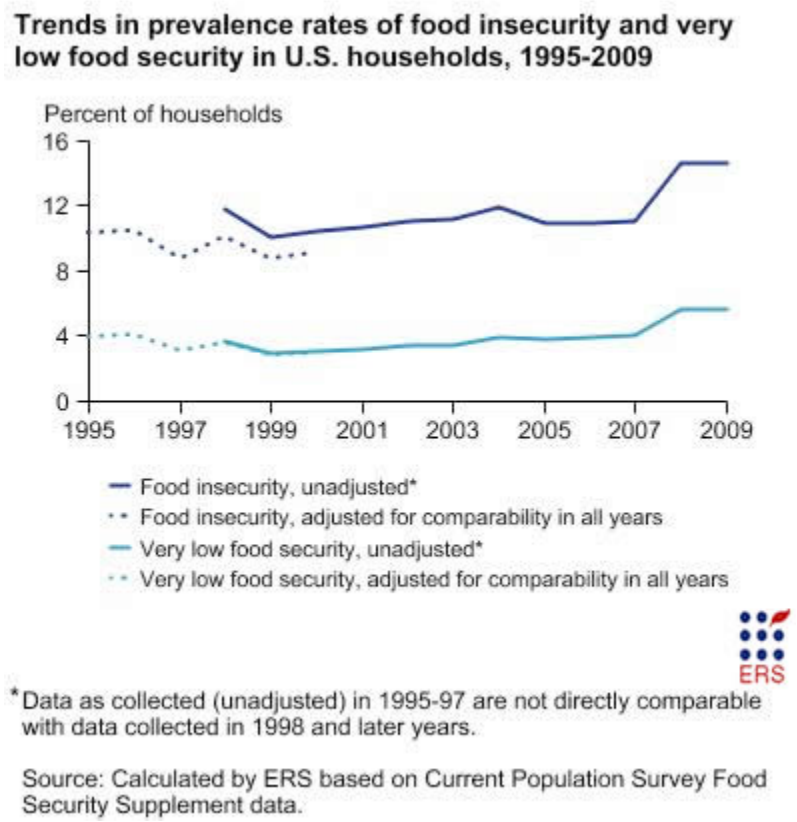
Source: Calculated by ERS using data from the December 2009 Current Population Survey Food Security Supplement.

[1]

the United States, in particular since the drastic economic crisis in 2007. In the graph produced by the Economic Research Service, there is a spike in food insecurity levels at this time. See Figure 2. [2] There are serious costs to communities and individuals with food insecurity at this level. In children, food insecurity causes reduced intellectual development and learning ability. For adults, work performance and earnings potential are weakened. Plus, a lower intake of food energy and key nutrients triggers increased medical costs, disabilities, and premature death due to diet-related illnesses (Cohen).

An example of a diet-related issue is the mounting rate of obesity and diabetes in the United States. According to the Organisation for Economic Cooperation and Development (OECD), the United States has the uppermost

Figure 2



2

percentage of obese and overweight people at 64.5 percent, compared to the lowest rates in Japan with 25.8 percent and Korea with 30.6 percent (Loureiro). These overweight and obesity rates do not merely apply to adults, but also to children. There are several social and economics consequences to this growing issue. Consequences can be either direct or indirect. Direct costs involve those for preventive, investigative, and treatment services. Indirect costs pertain to losses in labor-force participation due to increases in health-related issues, such as type 2 diabetes, heart disease, cancer, stroke, and depression (Loureiro). Furthermore, obesity is known to increase health expenditures and decrease life expectancy.

Therefore, obesity is an issue that must be addressed. On a basic level, obesity results from a large imbalance between calories consumed and calories used. This imbalance can be caused by cultural and sociodemographic characteristics. Cultural factors include the particular diet of certain cultures. Sociodemographic characteristics include the amount of money a household has to spend on food. These characteristics correspond to contributors to community food security. For this reason, the results of CFS assessments can be used to highlight issues within communities that influence obesity rates.

Thus, there is a high demand for a better understanding of food security in every community. A community food security assessment is vital to determine the main constraints to food security in particular communities. The concept of CFS is further explained in Section 2 of the study.

1.2 Objectives

The main objective of this study is to conduct an updated community food security (CFS) assessment for Connecticut. This assessment includes:

1) Assembly and update of the database of CFS indicators for Connecticut,
2) Analysis of CFS indicators to assess the relative food security status of towns in CT, and
3) Identification of communities at risk of relatively low food security

This study should identify the most food insecure areas in Connecticut and the factors underlying such insecurity. Factors could include lack of public transportation, high poverty rate, and low educational attainment. This study is unique from others in that it calculates food security for every town in Connecticut. In this way, the study is able to identify regions of poor food security and common issues in those regions.

Several constraints to food access exist including limited transportation, household income, and poverty. This project seeks to define such constraints and determine the ones that contribute the most to food insecurity in each town in Connecticut.

1.3 Organization of the Study

The process of meeting the objectives detailed above follow this section. In the second section, the methodology and concept of CFS are explained as well as the 40 indicators and the sources used to determine them. Section three includes the

findings of this study including data tables, analysis, and some graphs. Section four includes the summary and conclusions. In the future, the data found for this thesis will be analyzed statistically in order to rank the towns by food security.

1.4 Major Limitations

The foremost limitation of this study is the availability of data. Direct measures of CFS on the town level do not exist, as it is a concept that involves unquantifiable measures. Thus, the variables collected for this project correspond to CFS levels, such as transportation availability, income discrepancy, and poverty rates.

Another restriction of this study is the definition of a community as a town, with geographic and political boundaries. Some of the variables collected had cross-over among several towns and thus the town boundary was not sound. For example, a supermarket may be five minutes from a residential area in Mansfield, while the store itself lies in Tolland. This would result in an unjust negative impact on Mansfield's food security. Another example of crossover in this study is with free and reduced price meals in schools. Some schools represent children from multiple towns and it is impossible to separate out the number of students from each town in the school who are eligible for this program.

A third constraint of this study is the requirement of primary data collection for several considerable CFS variables. Examples include the impact of local food advocacy groups in towns and the cost of food goods across towns. The primary data could simply not be sought because of time and financial restraints. Some

secondary data could also not be collected due to lack of time and money. These include retails food operations data and number of farm stands.

Section 2. METHODOLOGY

2.1 Concept of CFS

There is no universally accepted definition of community food security, as it is a multidimensional concept that is constantly changing and growing and strongly depends upon the community in question. However, the World Health Organization has defined household food security as "access by all people at all times to enough food for an active, healthy life" (Food Security). Food security involves both the **availability** of nutritionally adequate and safe foods and the **accessibility** by households to acquire those foods. Thus, community food security can be seen as an extension of household security, with the additional concern of the underlying social, economic, and institutional factors within a community that affect the availability, affordability, and accessibility of food relative to the adequacy of financial resources to acquire it (Cohen 2002). Therefore, CFS extends the familiar concept of household food security by extending the boundaries of analysis to the community level and by extending the focus to the entire food system.

Anderson and Roumasett (1996) developed a food security equation in which food production deficit in a household is compared to income and liquid assets available to purchase food.

Value of food production deficit in a household (HH)	$\leq$	Income and liquid assets available to purchase food

Any household is able to produce some food at home, whether it is a tomato plant or a vegetable garden. The food production deficit is the minimum cost of the food that

must be purchased elsewhere to complement the food grown at home. The income and liquid assets available to purchase food is the allocation given to food out of the needs of the family including food, housing, clothing, medical care, and entertainment (Foster). A household is food insecure if their money available to purchase food is less than their food production deficit, or when the right hand side of the equation is a lower number than the left hand side of the equation. Consequently, households are at risk for food insecurity when the probability that the left hand side of the equation will be bigger than the right.

In the food security equation, both sides are of equal importance. While it is imperative that households have enough means to purchase food, it is also necessary that food is affordable. The food production deficit takes into account the price of food as it can be defined as the product of the food purchase requirement of the family and the price of food.

(Food purchase requirement) x (Price of food) $\leq$ Income and liquid assets available to purchase food

As the price of food increases, there exists a greater risk of food insecurity because there is a higher probability that the left side of the equation will be bigger than the right. The food purchase requirement can be shown as the difference between the amount of household food consumption requirement and the amount food produced in the household.

(HH food consumption requirement – HH food production) x (Price of food) $\leq$ Income and liquid assets available to purchase food

The more the household produces, the lower their purchase requirement will be; the smaller the household's food requirement, the smaller the purchase

requirement. Therefore, the more the government can do in food policy to reduce the left side of the equation for households, the lower the risk of food insecurity. For example, if the government can keep food prices reasonable, this would help decrease the risk of food insecurity.

In this study, the price of goods was not included because of financial and time constraints. Towns or cities are representative of communities. Also, food system data is limited to the farm level and retail food operations, since data for processing activities is unattainable.

Food security can be applied to many levels beyond household and community including country food security and world food security. At the national scale, food security varies greatly between developing countries and industrialized countries. For developing countries, agriculture continues to be the leading employment sector. Therefore, international agricultural trade agreements greatly affect their food security (World Health Organization). Some argue that a more liberal trade system is worse for a developing country's food security because it decreases agricultural employment levels.

Sustainable development is another facet of food security. Community food security can be seen as a strategy to approach many issues in our food system such as increasing poverty and hunger, vanishing farmland and family farms, extensive suburban sprawl, and air and water pollution from unsustainable food production and distribution (What). A community food security assessment can be seen as an approach to develop a community's food resources to meet its own needs and encourage self-reliance and sustainability. Potential means to increase a

community's self-reliance are farmers' markets, community gardens, better public transportation, and CSA's.

2.2 Determinants of CFS

The key to assessing the food security of a community is gathering and analyzing indicators that contribute to its food security. Based on the six components described by Cohen et al. in their CFS toolkit, indicators fall into the following categories:

1. Profile of community socio-demographic characteristics
2. Profile of community food resources
3. Assessment of household food security
4. Assessment of food resource availability
5. Assessment of food availability and affordability
6. Assessment of community food production

To determine the status of these indicators per community, data must be gathered that pertains to CFS. Data can either be quantitative or qualitative. Quantitative data involves precise numbers and calculations while qualitative data provides a descriptive amount of a situation (Cohen). In this study, both quantitative and qualitative data are used in combination to provide a descriptive picture of food security in Connecticut.

Beyond quantitative and qualitative data, there is primary and secondary data. Primary data is original data that must be collected, either by survey, observations, or focus groups. Secondary data is data that already exists and

attainable. For the purposes of this study, only secondary data was used so as to incorporate as many determinants as possible to produce a detailed depiction of food security. Also, time and monetary constraints made primary data impractical to collect.

2.2.1 Socio-Demographic Indicators

The first set of indicators to determine CFS is socio-demographic, or those that define a community based on demographic characteristics and socio-economic factors. These indicators should provide basic information about the residents of the community.

Most of the socio-demographic indicators were determined by the latest U.S. Census data. They include proportion of total population aged 65 years and over, proportion of total population 18 years and younger, proportion of total population aged 25 years and over who did not graduate from high school, proportion of total population aged 25 years and older with a bachelors degree, proportion of households where husband is not present with family, and proportion of households where husband is not present and with children under 18 years old. Lastly, population density was based on data from Cerc.com – Connecticut Economy Spring 2007. The socio-demographic factors used to determine CFS in this study also attempted to measure the community members most at risk of food insecurity – such as female-headed households with children under 18, or people 25 years and older without a high school diploma.

2.2.2 Community Food Provision Resources

The purpose of determining community food provision resources is to see how well prepared communities are to cope with the food needs of its residents. All existing food provision resources should be established including availability of Federal food assistance programs, participation of residents in food assistance programs, retail food resources for purchase, and emergency resources accessible to the community for acquiring food.

The two most well known Federal food assistance programs in the United States are food stamps and WIC. Food stamps now fall under the umbrella of SNAP – meaning Supplemental Nutrition Assistance Program. The new program provides low-income households with electronic benefits they can use to purchase food at most grocery stores and some farmers markets. SNAP is administered at the federal level by the United States Department of Agriculture through the Food and Nutrition Service (FNS). State agencies then administer the program at the State and town levels. Indicators related to SNAP include participation rate and distance and time to the nearest SNAP office. Local SNAP offices provide important information about eligibility requirements. The American Community Surveys conducted through the U.S. Census provided the number of people who have received SNAPs in the past 12 months. The estimated distance and time to nearest WIC and SNAP clinics were determined through Mapquest inputs.

WIC stands for Women, Infants and Children. The WIC program bestows Federal grants to states for supplemental foods, health care referrals, and nutrition education for low-income pregnant, breastfeeding, and non-breastfeeding

postpartum women, and to infants and children up to age five who are at nutritional risk. Unfortunately, WIC data was unable to be found, as town-level participation data in Connecticut is not published.

Two important Federal food assistance programs for adolescents are the School Breakfast Program and the National School Lunch Program. The School Breakfast Program (SBP) provides money to states to operate non-profit breakfast programs in schools. SBP is a federal program administered at the federal level by FNS. The money is then administered at the state level by state education agencies. Then local school food authorities utilize the money to operate school breakfast programs in schools. The National School Lunch Program (NSLP) provides public and nonprofit private schools with nutritionally balanced low-cost or free lunches to children each school day. End Hunger CT!, a food advocacy organization based in Hartford, provided data on school breakfast participation rates and the proportion of students eligible for free/reduced price meals in schools. There were a few issues with the eligibility of students for free/reduced price meals since some of the public schools provide meals for children in multiple towns, creating a crossover issue.

Besides federal food assistance programs, retail resources for food purchases are also an important consideration for community food provision resources. Retail resources include supermarkets, grocery stores, convenience stores, and other food stores. The presence of retail resources for food purchases significantly affects the quality and affordability of food available to the community. For instance, the growth of superstores and wholesale supermarkets such as Walmart or Aldi has

most likely increased affordability by keeping prices low. However, they may also contribute to a drop in food quality in terms of local and nutritious food products.

Emergency food resources are vital for people who cannot economically meet their daily food needs. Emergency food providers include food pantries, soup kitchens, and food banks. In this study, we focused on food pantries and soup kitchens. 2-1-1 Infoline Food Resources provided data about the number of soup kitchens and food pantries per town.

2.2.3 Household Food Security

Household food security is defined as whether or not households can meet their daily food needs to lead an active and healthy lifestyle. An active and healthy lifestyle is not something that can be measured quantitatively – it is subjective to the family's background, culture, and personal preferences. Thus, household food security is typically measured through surveys and focus groups so that more detail can be obtained. Since household food security cannot be determined through secondary data, it was not measured in this study.

2.2.4 Food Resource Availability

The availability of food resources refers to whether or not households have access to food, either by purchasing from food retailers or food provided by food resources in the community. Availability depends on both the existence of food stores and other food resources at manageable distances from low-income households and the ability of members of these households to get to the food

resources, either with a private vehicle or public transportation. Another important factor is households' ability to pay for the goods they want to purchase.

Indicators that pertain to food resource accessibility involve the number of households without a vehicle and the number of public transportation operations per town. The number of households with a vehicle came from the U.S. Census Bureau American Community Survey. The number of public transportation operators per town came from the Department of Transportation's website. Other indicators related to food resource accessibility relate to household income and wealth. These include median household income, per capita income, net grand list per capita, monthly gross rent, monthly owner cost, renters' housing units, poverty rates, and unemployment.

2.2.5 Food Availability and Affordability

Besides being able to physically get to food resources and have the ability to pay for them, food items must be both available and affordable. People should have access to a variety of foods at affordable prices in order to lead healthy and active lives. In many communities this is not the case, and people depend on convenience stores or bodegas with little to no fresh produce to meet their food needs. A town could have a wide variety of food items, but not be affordable to low-income households such as a food store like Whole Foods. On the other hand, a food store may lack variety but be affordable for community residents.

This issue is a driving force behind obesity rates in communities. If fresh and healthy foods were more affordable and readily available, then people would be

healthier. In Connecticut food prices are above average for the United States, so one could see how low-income households could meet with difficulty in being able to purchase fresh and healthy food items.

The USDA has created four food plans that represent nutritious diets at different cost levels including the Thrifty Food Plan (TFP), the Low-Cost Plan, the Moderate-Cost Plan, and the Liberal Plan. TFP represents a national standard for a nutritious diet at minimal costs for low-income households and serves as a basis for food stamp allotments.

Unfortunately due to the scope of this project, food affordability was impossible to collect as it involves surveys for each food store to discover availability of diverse food items and their costs.

2.2.6 Community Food Production

An important aspect of CFS is the presence of local agriculture and food production in the community. One of the main goals typically of a CFS assessment is to strengthen the community food system in order to better serve its residents. Local food resources can play a large role in food security. Not only does it help the local economy, but it can also strengthen Federal food programs by providing a means to obtain fresh and nutritious food for low-income households.

2.3 Data Sources

The above determinants of community food security are investigated on the town level by collecting and analyzing a number of indicators. All indicators were

found through secondary sources, either through Internet sources or by meeting with representatives from community organization and local government. The five year estimates from 2005-2009 of the American Community Survey conducted by the U.S. Census available online were particularly helpful in this study. All sources, their web location, year, and description of the indicators can be found in Table 1 at the end of this section.

2.4 Characteristics of the Sample

The variables in the data set include socio-demographic and economic traits, community food provision sources, local food production characteristics, and transportation characteristics. All of these data points correspond to the most recent data, ranging from 2005 to 2011.

Table 1. Data Sources

Indicator	Definition	Source	Year	URL
Socio-demographics				
% 65+ years old	Proportion of total population Aged 65 years and over	U.S. Census Bureau American Community Survey 5-year estimates	2005-2009	http://factfinder.census.gov
% Under 18 years old	Proportion of total population aged below 18 years	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov
% Adults 25+ with less than a high school degree	Proportion of total population aged 25 years and over who did not receive a high school diploma	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov
% Adults 25+ with bachelors degree	Proportion of total population aged 25 years and over who have bachelors degree	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov
% Female-headed households with family	Proportion of households where husband is not present	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov
% Female-headed households with children	Proportion of households where husband is not present and with children under 18	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov

under 18				
Population density	Number of people per square mile	CT Economy based on AGS estimates	2007	Cerc.com – CT Economy: Spring 2007 Issue http://www.cteconomy.uconn.edu/archives.html
Community Food Provision Resources				
School breakfast participation rate	Extent to which a town's schools are reaching students from low income families; obtained by dividing the number of children receiving free & reduced-price breakfasts by the number receiving free or reduced-price lunches	CT Hunger Map	2007-2008	http://www.endhungerct.org
Free/reduced price meals eligibility	Proportion of pupils eligible for free/reduced price meals in the school district associated with town	CT Hunger Map	2007-2008	http://www.endhungerct.org
SNAP program participation rate	Number of people receiving SNAPs in the past 12 months divided by number of people with incomes below 100% of poverty level	U.S. Census Bureau ACS Survey 5-year estimates	2005-2009	http://factfinder.census.gov
Distance to nearest WIC clinic	Approximate driving distance (miles) from town center to nearest WIC clinic	MapQuest	2011	http://www.mapquest.com
Time to nearest WIC clinic	Approximate time driving (minutes) from town center to nearest WIC clinic	MapQuest	2011	http://www.mapquest.com
Distance to	Approximate driving	MapQuest	2011	http://www.mapquest.com

nearest SNAP office	distance (miles) from town center to nearest SNAP office			
Time to nearest SNAP office	Approximate driving time (minutes) from town center to nearest SNAP office	MapQuest	2011	http://www.mapquest.com
Expenditure for food service per pupil	Expenditure for food services per pupil in town ($)	CT Office of Policy and Management	2006	The CT Economy – Summer 2006 Issue http://www.cteconomy.uconn.edu/archives.html
Number food pantries	Number of food pantries in town	2-1-1 InfoLine	2010	http://211ct.org
Number of soup kitchens	Number of soup kitchens in town	2-1-1 InfoLine	2010	http://211ct.org
Number of fast food restaurants	Number of fast food restaurants per town	MapQuest, various fast food restaurant locators	2011	http://www.mapquest.com http://www.bk.com/en/us/restaurant-locator/index.html https://www.dunkindonuts.com/content/dunkindonuts/en/stores.html
Food Accessibility				
Transportation				
% Households without a car	Number of households without car in town, divided by total number of households	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Availability of public transportation	Number of public transportation operations serving town	CT Department of Transportation and U.S Census Bureau ACS Surveys	2005-2009	http://ctrides.com http://factfinder.census.gov
Income/Wealth				

Median household income	Median household income ($) in town	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Per capita income	Income per capita ($) in town	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Net grand list per capita	Net grand list per capita in town (taxable property)	CT Office of Policy and Management	2008	CT Economy – Spring 2008 Issue http://www.cteconomy.uconn.edu/archives.html
Monthly gross rent	Monthly gross rent of rented housing units	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Monthly owner cost	Median monthly owner cost of owned housing units	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Renters' housing units	Number of renter occupied units in town, divided by total number of households	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Child poverty rate	Proportion of children under 18 living in poverty	U.S. Census Bureau ACS Surveys 5-Year Estimates	2005-2009	http://factfinder.census.gov
Overall poverty rate	Proportion of total population with income below 100% of poverty level	U.S. Census Bureau ACS Surveys 5-Year	2005-2009	http://factfinder.census.gov

		Estimates		
Unemployment rate	Number of people unemployed in town, divided by number of people 16+ in labor force	CT Hunger Map	March 2009	http://endhungerct.org
Community Food Production Resources				
% Land in farms and agriculture	Proportion of total land surface in town used by agriculture and farms	NEMO	2006	http://clear.uconn.edu/ projects/landscape/your/ town.asp
Number of farmers' markets	Number of farmers' markets per town	CT Department of Agriculture	2011	http://ct.gov/doag/cwp/view. Asp?a=3260&q=431068
Number of CSA's	Number of community supported agriculture programs by town	CT Northeast Organic Farming Association	2011	http://ctnofa.org/CSAs.htm
Number of community farms	Number of community farms per town	CT Northeast Organic Farming Association	2011	http://ctnofa.org/CSAs.htm
Number of farm stands	Number of farm stands per town	CT Department of Agriculture	2011	

Section 3. RESULTS

3.1 Rankings

According to the previous town-level assessment of community food security in Connecticut for 2005, the indicators of poverty, wealth, and socio-demographic characteristics correlated the most strongly with the rankings of community food security. Transportation accessibility is another indicator with a strong correlation with community food security. The study reported that having a nearby WIC or SNAP clinic did not significantly relate to CFS rankings, while private food provision had a relatively strong correlation with CFS rankings. Also, towns with more community food production resources (e.g. farmland) were associated with higher levels of CFS. With these results in mind, 10 key indicators were chosen for this study and each town was ranked according to those indicators. The rankings were then summed and the total serves as the town's ranking, the lowest numbers meaning stronger food security, while the higher numbers correspond to weak food security or food insecurity.

The 10 key indicators chosen for analysis in this study include overall poverty rates and childhood poverty rates, median HH income, per capita income, unemployment rates, % female-headed households with children under 18, % with bachelors degree, % HH without a vehicle, % of land in agriculture, and the number of farmers' markets in the town.

The overall poverty rates and childhood poverty rates correspond to the proportion of people with income below the appropriate poverty threshold in

Connecticut. Poverty rates have been increasing in the United States. According to the American Community Survey Briefs, the ACS surveys showed that 14.3 percent of the U.S. population had income below their corresponding poverty levels in 2009. The number of people in poverty increased from 2008 to 42.9 million (Bishaw). No state had significant decline in poverty rates. Connecticut happens to be one of the five states whose average poverty level is below 10 percent. However, it is still a concern among the largest cities in Connecticut. The towns with both the highest poverty and childhood poverty rates are Hartford, Waterbury, Windham, Bridgeport, New Haven, New Britain, and Meriden. These towns and cities are home to the largest amount of people in Connecticut. Therefore, poverty is an important issue and contributor to CFS.

The indicators that describe the wealth of cities and towns are median household income, per capita income, and unemployment rates. Of interest in Connecticut is the wealth distribution. It is likely that a small amount of people accrue a large amount of the income. This can be seen through the discrepancies between the towns/cities with the highest median income and lowest. The top three highest income-grossing towns are Weston, Darien, and New Canaan, with income levels at $206,469, $181,019, and $163,457 respectively. On the other hand, the three lowest income-generating cities are Hartford, New Haven, and Windham with income at $29,190, $37,823, and $38,248 respectively. Weston's median household income is approximately seven times that of Hartford. Income is particularly important in the food security equation because households must be able to allocate enough of their income towards their food needs. In many circumstances, there is

not enough income to purchase healthy food options and families are forced to eat the cheapest and lowest quality food items.

Unemployment, or persons without a job or have actively looked for a job for four weeks and available for work, is another important factor in food security. Without a means of accruing an income, households can very quickly become at risk of food insecurity. Unemployment has been a popular gauge for the effects of the 2007-2009 recession in the United States. Compared to past recessions, this most recent one has shown a particularly high spike in unemployment rates (Borbely). In many towns and cities, the viability of emergency food options and federal food assistance programs can greatly help cities and towns plagued with high unemployment rates.

Aside from socio-economic indicators, there are several demographic factors that can make a household particularly at risk for food insecurity. Those factors include female-headed households, especially those with children; the elderly; and the uneducated. For this reason, the 10 key indicators include percentage of households that are female-headed with children under 18 and percentage of adults 25 years or higher with a bachelor's degree or higher. In Connecticut, minority women hold a relatively high percentage of the female-headed households with children. Compared to the U.S. average of 30.4% of women in female-headed households with children of a minority ethnicity, 36.8% of women in female-headed households with children are of minority descent in Connecticut. The percentage of Non-Hispanic Black women in female-headed households with children is 41.2% in Connecticut compared to 46.2% in the United States, but 44% of female-headed

households are Hispanic in Connecticut compared to 24% in the U.S. Thus, the Hispanic population is a group high at risk for food insecurity.

Educational attainment is another important demographic indicator. One of the most important methods to increase food security is to inform people about nutrition and ways to lead healthy and active lives. It is apparent that people who have received higher education are more likely to be aware of the issues of health and nutrition, and also more likely to have higher paying jobs with incomes high enough to purchase food. Among the five towns/cities in Connecticut with the lowest percentage of adults with a bachelor's degree or higher are Plainfield (lowest), Hartford, Bridgeport, Waterbury, and Putnam.

In order to account for the accessibility to food resources, one of the key indicators is the percentage of households without a vehicle. The five/cities towns with the highest percentage of households without a car include Hartford (highest), New Haven, Bridgeport, Waterbury, and New London. For these households, public transportation becomes a vital resource in order to make purchases to meet daily food requirements and other needs. Unfortunately due to a lack of published information, the average fare of public transportation and public transportation ridership could not be determined in this study.

Availability of community food resources can greatly help the food security of the town or city. For this reason, percentage of land in agriculture and number of farmers' markets were included in the 10 key indicators. Towns that offer fresh and nutritious produce and food items from local farms are at an advantage because they are not only making healthy food more available to community members, but

also stimulating the local economy of the community. Since SNAP has adopted the Electronic Benefit Transfer (EBT), farmers' markets have become even more viable to help low-income households increase their food security, as recipients are now able to purchase food from farmers' markets much more easily.

Through the comparison of the 10 key indicators among the 169 towns and cities in Connecticut, it was found that the 10 towns with the highest CFS rankings and thus the worst CFS are: Waterbury (highest), Hartford, New Britain, Bridgeport, East Hartford, New London, New Haven, Windham, Meriden, and Norwich. The 10 towns with the lowest CFS rankings and thus the best CFS are: Roxbury (lowest), Easton, Weston, Durham, Granby, Redding, Sherman, East Granby, Wilton, and Bethlehem. These results can be seen in Table 2.

Table 2. Rankings Based on 10 Key Indicators

Town	Overall poverty	Childhood poverty rates	Median HH income	Per capita income	Unem-ploy-ment	%female-headed HH w/ children <18	% w/ bachelors degree or higher	% w/o vehicle	% land in agriculture	No. famers' markets	Summation	Overall CFS Ranking
Andover	45	1	62	85	43	72	110	126	82	7	633	64
Ansonia	149	154	141	78	158	150	150	155	143	7	1285	155
Ashford	94	103	120	112	97	73	111	107	146	6	969	123
Avon	66	77	24	26	6	53	13	96	98	7	466	31
Barkhamsted	12	80	43	120	130	104	88	11	122	7	717	81
Beacon Falls	84	96	90	86	137	127	129	104	103	7	963	121
Berlin	120	147	46	96	93	58	60	88	67	6	781	93
Bethany	46	111	13	19	20	22	24	1	75	6	337	13
Bethel	99	119	66	23	73	116	55	73	120	6	750	86
Bethlehem	19	2	76	57	47	20	62	39	3	7	332	10
Bloomfield	112	22	119	99	142	139	81	149	50	6	919	117
Bolton	57	95	42	52	31	112	69	16	42	7	523	47
Bozrah	115	106	108	161	59	153	133	8	35	6	884	114
Branford	116	124	110	70	74	107	45	136	134	7	923	118
Bridgeport	166	164	165	91	167	168	167	167	165	5	1425	166
Bridgewater	59	56	55	69	3	108	32	21	10	7	420	23
Bristol	139	142	150	146	144	133	156	139	105	6	1260	153
Brookfield	41	57	23	13	44	113	18	70	127	7	513	44
Brooklyn	128	109	87	156	145	151	132	135	27	6	1076	139
Burlington	23	35	11	24	60	140	48	13	107	6	467	32
Canaan	126	143	157	157	94	91	96	162	49	7	1082	140
Canterbury	50	66	117	149	107	3	154	43	33	7	729	82
Canton	77	85	53	38	36	54	27	76	95	6	547	54
Chaplin	97	89	146	128	37	45	126	54	76	7	805	98
Cheshire	34	59	22	28	52	66	33	121	80	7	502	40
Chester	72	49	54	80	21	27	53	18	140	6	520	45
Clinton	42	61	99	75	75	59	80	31	138	6	666	72
Colchester	55	91	40	45	100	96	73	77	73	6	656	71
Colebrook	65	69	96	152	2	28	97	53	106	7	675	73
Columbia	88	58	77	124	76	50	74	37	51	7	642	65
Cornwall	81	44	75	143	77	60	21	30	68	6	605	61

Coventry	117	115	63	90	101	105	98	41	32	6	768	91
Cromwell	90	114	80	93	61	136	82	92	40	7	795	96
Danbury	144	127	131	58	78	124	117	152	137	6	1074	138
Darien	60	72	2	1	22	130	2	81	156	6	532	51
Deep River	114	133	106	76	82	23	94	105	131	6	870	110
Derby	155	156	156	103	150	118	142	157	83	7	1227	150
Durham	27	3	25	39	23	12	64	51	30	6	280	4
East Granby	5	4	56	64	15	19	42	91	21	7	324	8
East Haddam	48	92	60	51	27	99	105	72	81	7	642	66
East Hampton	98	81	50	46	132	32	101	67	119	7	733	83
East Hartford	158	162	160	159	159	160	163	160	124	5	1410	165
East Haven	132	135	138	100	139	114	148	144	108	6	1164	144
East Lyme	43	39	85	119	83	100	77	103	104	7	760	88
East Windsor	86	100	133	139	147	154	134	129	2	7	1031	130
Eastford	134	144	103	137	62	4	78	14	66	7	749	85
Easton	14	27	5	6	16	24	7	29	89	7	224	2
Ellington	74	98	67	68	98	61	71	57	5	6	605	62
Enfield	127	128	122	145	133	125	137	117	18	6	1058	135
Essex	82	5	47	44	48	11	19	66	132	6	460	30
Fairfield	56	71	14	10	84	79	15	83	128	5	545	53
Farmington	118	117	73	71	53	97	28	146	92	6	801	97
Franklin	38	50	102	126	79	65	127	42	8	7	644	68
Glastonbury	64	90	28	34	17	119	17	87	60	7	523	48
Goshen	36	110	65	94	63	25	46	25	29	7	500	39
Granby	10	21	33	40	32	41	34	24	46	7	288	5
Greenwich	79	75	10	7	33	94	12	112	144	6	572	55
Griswold	93	86	130	127	127	120	149	150	39	7	1028	128
Groton	133	134	145	132	134	141	114	138	151	6	1228	151
Guilford	70	65	37	30	25	55	20	71	77	6	456	28
Haddam	26	20	61	43	18	77	99	130	113	6	593	58
Hamden	137	130	127	83	125	142	59	148	114	5	1070	136
Hampton	49	74	84	106	102	36	65	69	38	6	629	63
Hartford	169	169	169	134	169	169	168	169	152	1	1469	168
Hartland	2	6	59	102	19	5	95	33	139	7	467	33
Harwinton	105	120	68	92	38	6	108	80	63	7	687	77
Hebron	25	93	15	42	26	9	38	23	55	6	332	11
Kent	110	7	125	135	85	147	66	102	43	6	826	101
Killingly	150	150	154	166	164	152	164	108	90	6	1304	156

Killingworth	1	8	32	27	34	74	37	36	118	7	374	19
Lebanon	52	9	100	115	86	156	124	26	7	6	681	76
Ledyard	21	23	70	55	56	46	84	4	85	6	450	26
Lisbon	123	73	101	77	64	121	141	6	62	7	775	92
Litchfield	108	113	83	59	118	51	57	119	23	6	737	84
Lyme	9	40	39	29	68	109	14	10	96	7	421	24
Madison	17	52	21	16	9	69	11	115	141	6	457	29
Manchester	140	141	149	136	126	144	106	145	129	5	1221	149
Mansfield	148	145	143	158	69	110	30	19	36	5	863	109
Marlborough	40	38	20	36	57	88	79	32	109	6	505	43
Meriden	161	163	153	129	154	163	153	161	91	6	1334	161
Middlebury	13	10	35	37	49	33	40	99	72	7	395	21
Middlefield	3	11	69	47	70	75	100	9	9	7	400	22
Middletown	154	149	147	117	119	145	109	154	56	5	1155	143
Milford	87	101	91	53	113	89	75	127	147	5	888	115
Monroe	54	70	17	17	87	30	43	40	125	6	489	38
Montville	78	94	123	123	131	83	151	94	116	7	1000	125
Morris	129	123	98	49	124	1	102	3	15	7	651	70
Naugatuck	135	136	144	122	161	158	146	124	130	6	1262	154
New Britain	164	165	164	154	165	164	160	163	159	6	1464	167
New Canaan	37	36	3	3	5	47	4	68	153	6	362	17
New Fairfield	58	78	27	31	80	49	58	59	148	7	595	59
New Hartford	80	51	79	60	90	137	63	86	64	6	716	80
New Haven	168	166	168	87	166	166	115	168	166	2	1372	163
New London	157	161	163	147	155	165	136	165	154	6	1409	164
New Milford	28	28	51	33	71	90	68	65	45	6	485	36
Newington	111	102	118	155	111	62	119	109	135	6	1028	129
Newtown	29	25	19	11	28	42	31	64	78	6	333	12
Norfolk	92	54	38	97	91	67	44	114	87	6	690	78
North Branford	4	12	48	66	120	78	107	93	53	7	588	57
North Canaan	156	155	162	169	108	157	143	84	4	7	1145	142
North Haven	76	118	72	88	138	56	91	89	93	7	828	103
North Stonington	89	32	64	89	103	13	83	5	44	7	529	50
Norwalk	142	146	95	20	104	122	70	141	167	6	1013	126
Norwich	159	160	159	148	151	161	159	156	69	5	1327	160
Old Lyme	85	47	49	62	39	76	25	79	126	7	595	60
Old Saybrook	106	129	78	105	88	115	56	60	160	6	903	116

Orange	16	13	29	25	35	17	23	95	110	7	370	18
Oxford	44	84	26	35	50	34	89	15	99	7	483	35
Plainfield	122	105	148	130	162	131	169	113	31	6	1117	141
Plainville	107	125	139	160	143	106	158	78	149	7	1172	146
Plymouth	121	108	116	118	152	84	152	38	94	7	990	124
Pomfret	136	132	134	141	58	31	92	137	13	7	881	113
Portland	119	139	45	84	95	70	72	62	71	7	764	89
Preston	146	158	94	121	109	138	144	27	20	6	963	122
Prospect	73	107	57	72	128	52	122	98	136	7	852	106
Putnam	160	159	158	165	140	148	165	147	65	6	1313	159
Redding	15	14	9	9	7	80	10	48	102	7	301	6
Ridgefield	22	33	8	8	10	71	6	55	133	6	352	14
Rocky Hill	103	45	109	111	65	21	54	142	22	7	679	74
Roxbury	7	26	18	14	1	8	22	49	24	7	176	1
Salem	69	34	36	41	40	134	39	20	54	7	474	34
Salisbury	100	121	126	163	66	159	29	28	17	7	816	99
Scotland	33	15	105	110	13	2	135	17	14	6	450	27
Seymour	102	87	113	95	121	111	130	128	123	6	1016	127
Sharon	138	16	89	74	45	7	67	44	16	7	503	42
Shelton	63	76	74	54	105	57	112	122	86	6	755	87
Sherman	32	88	12	18	8	63	26	2	47	7	303	7
Simsbury	18	37	16	22	29	85	9	74	57	6	353	15
Somers	113	138	34	56	92	16	121	61	6	6	643	67
South Windsor	24	31	44	65	46	86	50	75	11	6	438	25
Southbury	109	42	104	67	99	10	51	143	59	6	690	79
Southington	91	99	86	113	106	48	103	82	84	6	818	100
Sprague	147	157	112	98	141	126	120	100	37	7	1045	132
Stafford	95	79	135	144	135	87	155	101	101	6	1038	131
Stamford	152	148	92	15	81	101	47	158	150	5	949	119
Sterling	163	153	124	133	157	81	162	35	41	7	1056	134
Stonington	104	112	111	108	51	135	49	58	52	4	784	94
Stratford	101	64	128	81	148	123	125	133	161	6	1070	137
Suffield	30	46	41	73	72	37	85	111	1	6	502	41
Thomaston	53	68	140	142	114	38	138	50	112	6	861	108
Thompson	143	137	152	164	146	146	161	123	61	7	1240	152
Tolland	39	48	30	48	30	39	41	7	97	6	385	20
Torrington	153	151	161	162	156	129	157	159	74	6	1308	157
Trumbull	35	55	31	21	54	64	35	120	157	6	578	56

Union	62	17	58	167	41	14	118	45	115	7	644	69
Vernon	141	131	137	140	115	143	123	125	121	7	1183	147
Voluntown	6	60	93	114	112	35	128	46	79	7	680	75
Wallingford	131	126	115	107	122	102	113	97	34	6	953	120
Warren	83	67	52	32	55	92	52	22	58	7	520	46
Washington	20	18	132	61	42	82	90	63	12	7	527	49
Waterbury	167	168	166	150	168	167	166	166	162	3	1483	169
Waterford	61	41	121	153	116	43	87	85	145	6	858	107
Watertown	67	53	97	109	136	68	116	116	25	6	793	95
West Hartford	124	97	81	63	96	95	16	140	158	5	875	111
West Haven	151	152	155	82	153	155	139	151	168	6	1312	158
Westbrook	96	116	142	125	110	40	93	153	169	7	1051	133
Weston	11	19	1	2	4	18	1	12	163	7	238	3
Westport	51	83	6	5	14	98	3	56	164	6	486	37
Wethersfield	75	62	114	116	129	93	76	134	70	6	875	112
Willington	162	43	129	104	24	15	61	131	88	7	764	90
Wilton	31	30	4	4	11	44	5	52	142	5	328	9
Winchester	145	140	151	138	160	132	140	90	100	7	1203	148
Windham	165	167	167	168	163	162	145	164	48	6	1355	162
Windsor	71	82	82	101	117	149	86	106	28	5	827	102
Windsor Locks	130	122	136	151	123	128	147	110	111	7	1165	145
Wolcott	47	24	88	79	149	117	131	34	155	7	831	104
Woodbridge	8	29	7	12	12	26	8	132	117	7	358	16
Woodbury	68	63	71	50	67	29	36	118	26	6	534	52
Woodstock	125	104	107	131	89	103	104	47	19	7	836	105

3.2 Correlation of Rankings

Beyond the ranking of each town, rank correlation coefficients were calculated for each of the 10 key indicators as to their pertinence to the overall community food security ranking. Coefficients closer to 1 represent indicators closely related to the community food security ranking, while coefficients closer to 0 or below 0 represent indicators with relatively low correlations or negative correlations. It was found that the indicators with highest correlation coefficients are poverty rate, childhood poverty rate, median household income, and unemployment. The percentage of land in agriculture had a relatively low correlation and the number of farmers' markets in the town was the only indicator with a negative correlation. The results can be seen in Table 3 and Figure 3 at the end of this section.

The indicators with the highest coefficients are relatively predictable. Wealth and employment are highly critical factors for everyone in the community. Income is the prime contributor to the ability to purchase food items. It is foreseeable that towns and cities with high rates of poverty are at a much greater risk for food insecurity.

On the other hand, the indicators with the lowest correlation coefficients are the percentage of land in agriculture and the number of famers' markets per town. These indicators are not the best measures of community food resources. A town with a high percentage of land in agriculture does not necessarily mean that residents of that town have better access to food. Farmers' markets and other community food provision resources like CSA's are difficult to correlate with food

security because it is more common for bigger cities to have them although oftentimes the most food insecure people in the community do not acquire food from these resources.

3.3 Comparison to 2005 CFS Study

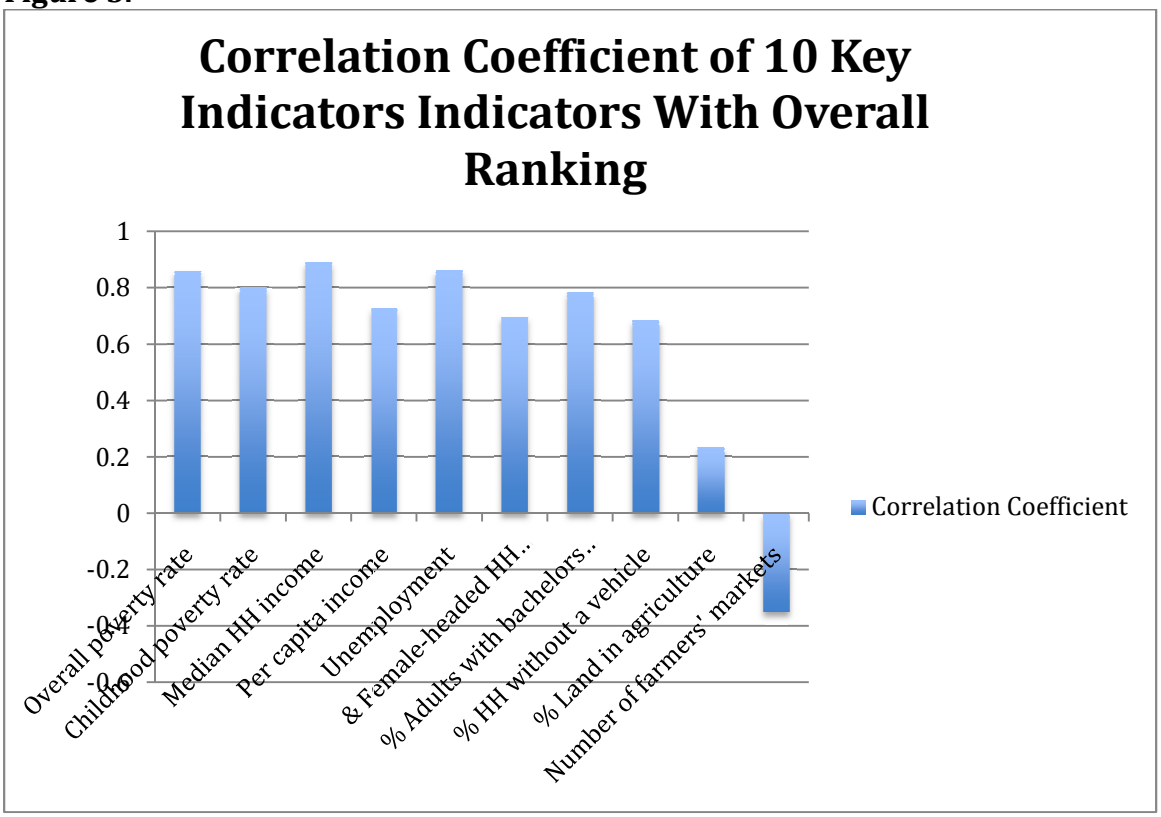
There are several similarities between the results of this study and the one conducted for 2005. In 2005, the 10 towns with the lowest ranking of CFS were: Brooklyn, New Britain, Killingly, Hartford, North Canaan, Meriden, New Haven, Bridgeport, Willington, and Sterling. The 10 most food secure town were: Avon, Durham, Hebron, Middlebury, Darien, Weston, South Windsor, Burlington, Madison, and New Canaan. Hartford, New Britain, Bridgeport, New Haven, and Meriden all remained among the 10 worst food secure towns. Only Weston and Durham remained among the 10 most food secure towns in Connecticut.

The 2005 study also calculated a correlation coefficient for the indicators of community food security. The correlations from the previous study are highly comparable to the correlations found in this study. Although the 2005 study calculated correlation coefficients for the categories of indicators instead of specific indicators, it was found that socio-demographic indicators, poverty, and wealth had the highest correlations as with this study. Similarly, food production resources had a slightly negative correlation with community food security.

Table 3. Correlation of Rankings

CFS Indicator	Correlation Coefficient
Overall poverty rate	0.8588
Childhood poverty rate	0.7998
Median household income	0.8901
Per capita income	0.7278
Unemployment	0.8621
% Female-headed household w/ children less than 18 years old	0.6966
% Adults with bachelors degree or higher	0.7836
% Households without vehicle	0.6828
% Land in agriculture	0.2337
Number of farmers' markets	-0.3522

Figure 3.



Section 4. SUMMARY AND CONCLUSIONS

4.1 Purpose of CFS Project

Community food security assessments provide information that is beneficial to any community. It is an important tool to better understand the food accessibility, availability, and affordability facing community members. The findings of a CFS assessment can lead to more informed policy decisions and more pertinent public programs. This particular study is an update to the assessment conducted five years ago in Connecticut, which grew out of a lack of community food security measures in Connecticut. The results of this study will provide state and local programs and organizations take appropriate action towards specific food security issues.

4.2 Main Findings

Despite being the third smallest state in the United States, Connecticut is a relatively diverse state when it comes to food security. The main findings of this study are based on simple calculations of the data with the time available. Through this analysis, it was found that there is quite a large discretion between the food securities among communities in Connecticut. There is not much similarity as far as geographic region or population that encompasses either the best ten towns or the worst. Some of the best and worst towns are within the same county. These findings beg the question of wealth disparity among the different towns in Connecticut. It is likely that a small percentage of towns account for a large percentage of the states' income and wealth. While this sways the overall reputation of Connecticut as a wealthy state, it is misleading because there are several households and

communities that struggle with poverty, low incomes, poor education, food insecurity and even hunger.

4.3 Brief Policy Recommendations

Since the actual results of this study won't be determined until a later date, the policy recommendations are more general. The Food Security Coalition lists several good policy ideas on their website. The Food Security Coalition supports the Community Food Projects grant program, which provides funding to communities to increase low-income food security while strengthening their local food systems. This program gives support to local farmers and also encourages local food planning and policy organizations. Connecticut would greatly benefit from a grant program such as this to stimulate awareness and rally support for more local food resources and provisions.

An important indicator of food security is the education of the community about nutrition. People must be taught to make the right food choices in order to live healthy and active lives. There are several programs that support this notion. The Supplemental Nutrition Assistance Program (SNAP) provides recipients with nutrition information. The WIC and Senior Farmers Market Nutrition Program could really help the nutrition education of people most at risk of food security – mainly female-headed households with a family and the elderly. This program provides vouchers to WIC recipients and low-income seniors to utilize at farmers markets. This enables recipients to not only have better access to fresh and nutritious food, but also to connect with local farmers to spread food knowledge. The Farmers

Market Promotion Program links farmers to their communities to increase access to fresh and healthy products. These programs are all good examples of policies that state and local governments could administer in their communities.

A marginal benefit of these sorts of programs is the help it will give to the obesity issue in Connecticut. According to the Centers for Disease Control and Prevention, obesity rates in Connecticut ranged from 18.4 percent in Fairfield County to 28.4 percent in Windham County in 2008. While these rates aren't among the highest in the country, they are significant. Of particular concern are the negative side effects of obesity like increase rates of diabetes, even among children. Supporting the above-mentioned programs and others that enrich the nutrition education of children such as school and community farms that utilize basic agricultural practices to teach farm to table concepts would be a step in the right direction towards reversing the increasing rates of obesity among residents in Connecticut.

Section 5. REFERENCES

Bishaw, Alemayedu and Suzanne Macartney. "Poverty: 2008 and 2009." *American Community Survey Briefs.* September 2010. < http://www.census.gov/hhes/www/poverty/poverty.html> (20 April 2011).

Borbely, James M. "Sizing Up the 2007-2009 Recession: Comparing Two Key Labor Market Indicators with Earlier Downturns." *Bureau of Labor Statistics*. December 2010. < http://www.bls.gov/opub/ils/summary_10_11/sizing_up_recession.htm> (21 April 2011).

Cohen, Andrews and Kantor. "Community Food Security Assessment Toolkit." July 2002. <http://www.ers.usda.gov/Publications/EFAN02013/> (29 March 2011).

"Diabetes Data and Trends." *Centers for Disease Control and Prevention*. <http://apps.nccd.cdc.gov/DDT_STRS2/CountyPrevalenceData.aspx?mode=OBS> (23 April 2011).

"Federal Policy Program." *Community Food Security Coalition*. < http://www.foodsecurity.org/policy.html> (15 April 2011).

"Food Security." *World Health Organization*. <http://www.who.int/trade/glossary/story028/en/> (26 March 2011).

"Food Security in the United States: Key Statistics and Graphics." *Economic Research Service*. 14 January 2011. <http://www.ers.usda.gov/Briefing/FoodSecurity/stats_graphs.htm> (26 March 2011).
** cool graphs and stats to put in background of CFS

Foster, Phillips and Howard D. Leathers. *The World Food Problem: Tackling the Causes of Undernutrition in the Third World*. Boulder: Lynne Reinner Publishers Inc., 1999.

Loureiro, Maria. "Obesity: Economic Dimensions of a 'Super Size' Problem." *Choices Magazine*. 2004. <http://www.choicesmagazine.org/2004-3/obesity/2004-3-02.htm> (6 April 2011).

"National School Lunch Program." *USDA Food and Nutrition Service*. January 2011. < http://www.fns.usda.gov/cnd/lunch/> (8 April 2011).

"Poverty." *U.S. Census Bureau.* March 2011. < http://www.census.gov/hhes/www/poverty/poverty.html> (21 April 2011).

"School Breakfast Program." *USDA Food and Nutrition Service*. January 2011. < http://www.fns.usda.gov/cnd/breakfast/> (8 April 2011).

"Supplemental Nutrition Assistance Program." *USDA Food and Nutrition Service.* May 2009. <http://www.fns.usda.gov/snap/rules/Default.htm> (29 March 2011).

"USDA Food Plans: Cost of Food." *USDA Center for Nutrition Policy and Promotion*. July 2009. < http://www.cnpp.usda.gov/usdafoodplanscostoffood.htm> (9 April 2011).

"What is Community Food Security?" *Community Food Coalition*. <http://www.foodsecurity.org/views_cfs_faq.html> (26 March 2011).

Winne, Joseph, and Fisher. "Community Food Security: A Guide to Concept, Design, and Implementation." January 2000.

"Women, Infants, and Children." *USDA Food and Nutrition Service.* March 2011. < http://www.fns.usda.gov/wic/> (11 April 2011).

"Women in Female-Headed Households with Children, by State and Race/Ethnicity 2006-2008." *Kaiser State Health Facts.* < http://www.statehealthfacts.org/comparemapreport.jsp?rep=38&cat=15&sortc=4&o=a> (21 April 2011).

Data Appendix

Appendix A: Indicators of CFS

Table A1. Indicators of Socio-demographic Characteristics

Town	% Under 18	% 65+	%Adults w/ < HS degree	%Adults w/ bachelors	%female householder	%female householder w/children <18
Andover	0.2313	0.081	0.052	0.325	0.06	0.042
Ansonia	0.2401	0.127	0.092	0.201	0.166	0.081
Ashford	0.2557	0.090	0.099	0.325	0.080	0.042
Avon	0.2641	0.165	0.030	0.616	0.071	0.036
Barkhamsted	0.2525	0.117	0.061	0.360	0.075	0.054
Beacon Falls	0.2301	0.121	0.050	0.254	0.078	0.062
Berlin	0.2316	0.154	0.042	0.400	0.072	0.038
Bethany	0.2572	0.120	0.023	0.531	0.063	0.027
Bethel	0.2319	0.146	0.043	0.415	0.091	0.058
Bethlehem	0.2111	0.154	0.059	0.399	0.066	0.026
Bloomfield	0.1815	0.212	0.070	0.371	0.135	0.069
Bolton	0.2393	0.150	0.043	0.385	0.086	0.057
Bozrah	0.2129	0.119	0.045	0.244	0.126	0.084
Branford	0.1917	0.172	0.038	0.437	0.108	0.055
Bridgeport	0.2634	0.104	0.143	0.152	0.233	0.149
Bridgewater	0.1729	0.184	0.032	0.509	0.108	0.055
Bristol	0.2179	0.143	0.085	0.196	0.127	0.067
Brookfield	0.2681	0.122	0.019	0.560	0.103	0.057
Brooklyn	0.2235	0.115	0.127	0.245	0.129	0.083
Burlington	0.2981	0.074	0.042	0.431	0.088	0.069
Canaan	0.1860	0.243	0.065	0.347	0.095	0.049
Canterbury	0.2161	0.103	0.080	0.199	0.084	0.010
Canton	0.2443	0.135	0.026	0.518	0.074	0.037
Chaplin	0.2250	0.129	0.066	0.258	0.047	0.033
Cheshire	0.2487	0.124	0.036	0.506	0.072	0.040
Chester	0.2066	0.165	0.065	0.420	0.056	0.028
Clinton	0.2119	0.150	0.058	0.372	0.073	0.038
Colchester	0.2723	0.083	0.029	0.379	0.099	0.051
Colebrook	0.2602	0.132	0.118	0.347	0.067	0.028
Columbia	0.2220	0.146	0.075	0.379	0.044	0.035
Cornwall	0.1919	0.171	0.039	0.546	0.069	0.038
Coventry	0.2421	0.103	0.050	0.347	0.078	0.054
Cromwell	0.2033	0.181	0.050	0.371	0.106	0.068
Danbury	0.2168	0.107	0.097	0.308	0.113	0.061
Darien	0.3677	0.105	0.016	0.750	0.087	0.066
Deep River	0.2419	1.070	0.090	0.352	0.068	0.027
Derby	0.2127	0.150	0.061	0.215	0.110	0.059
Durham	0.2636	0.100	0.039	0.397	0.042	0.020
East Granby	0.2342	0.155	0.035	0.449	0.056	0.025
East Haddam	0.2301	0.121	0.053	0.335	0.076	0.052
East Hampton	0.2290	0.096	0.047	0.340	0.086	0.030
East Hartford	0.2322	0.138	0.099	0.175	0.181	0.107
East Haven	0.2090	0.160	0.077	0.209	0.124	0.057
East Lyme	0.1881	0.158	0.061	0.376	0.097	0.052

East Windsor	0.2156	0.145	0.064	0.238	0.137	0.084
Eastford	0.2321	0.141	0.037	0.374	0.037	0.011
Easton	0.2911	0.125	0.027	0.668	0.067	0.027
Ellington	0.2434	0.098	0.043	0.381	0.056	0.038
Enfield	0.2080	0.154	0.080	0.231	0.114	0.061
Essex	0.2092	0.189	0.018	0.552	0.035	0.019
Fairfield	0.2412	0.137	0.036	0.586	0.077	0.044
Farmington	0.2332	0.151	0.035	0.518	0.073	0.051
Franklin	0.2248	0.142	0.026	0.257	0.061	0.039
Glastonbury	0.2752	0.128	0.026	0.564	0.092	0.059
Goshen	0.1887	0.165	0.048	0.437	0.097	0.027
Granby	0.2741	0.119	0.035	0.499	0.058	0.032
Greenwich	0.2730	0.169	0.034	0.622	0.090	0.050
Griswold	0.1959	0.125	0.061	0.202	0.084	0.060
Groton	0.2298	0.120	0.056	0.322	0.115	0.069
Guilford	0.2557	0.154	0.021	0.547	0.059	0.037
Haddam	0.2481	0.116	0.071	0.341	0.062	0.043
Hamden	0.2035	0.161	0.051	0.404	0.125	0.070
Hampton	0.2207	0.127	0.046	0.396	0.061	0.031
Hartford	0.2721	0.092	0.173	0.136	0.299	0.198
Hartland	0.2434	0.131	0.015	0.352	0.069	0.011
Harwinton	0.2351	0.122	0.069	0.328	0.045	0.012
Hebron	0.2973	0.077	0.016	0.467	0.078	0.014
Kent	0.1805	0.261	0.050	0.391	0.125	0.077
Killingly	0.2094	0.130	0.100	0.174	0.141	0.083
Killingworth	0.2849	0.123	0.050	0.470	0.046	0.042
Lebanon	0.2715	0.123	0.043	0.291	0.146	0.092
Ledyard	0.2725	0.107	0.036	0.368	0.055	0.033
Lisbon	0.2412	0.140	0.092	0.218	0.074	0.060
Litchfield	0.2324	0.186	0.046	0.407	0.079	0.035
Lyme	0.2312	0.211	0.010	0.595	0.087	0.055
Madison	0.2788	0.162	0.020	0.628	0.059	0.041
Manchester	0.2186	0.126	0.061	0.332	0.110	0.074
Mansfield	0.1165	0.078	0.068	0.512	0.085	0.055
Marlborough	0.2846	0.116	0.049	0.374	0.073	0.048
Meriden	0.2418	0.134	0.124	0.200	0.167	0.113
Middlebury	0.2465	0.174	0.033	0.460	0.035	0.030
Middlefield	0.2531	0.134	0.051	0.341	0.099	0.042
Middletown	0.1958	0.120	0.077	0.326	0.117	0.074
Milford	0.2147	0.141	0.049	0.378	0.096	0.048
Monroe	0.2717	0.130	0.038	0.447	0.067	0.029
Montville	0.2190	0.117	0.115	0.201	0.096	0.046
Morris	0.2146	0.165	0.047	0.340	0.029	-
Naugatuck	0.2461	0.106	0.092	0.210	0.143	0.094
New Britain	0.2230	0.139	0.133	0.182	0.189	0.118
New Canaan	0.3195	0.129	0.018	0.739	0.081	0.033
New Fairfield	0.2791	0.109	0.043	0.406	0.084	0.034
New Hartford	0.2284	0.125	0.057	0.399	0.091	0.068
New Haven	0.2276	0.088	0.120	0.322	0.218	0.137
New London	0.2008	0.102	0.095	0.235	0.175	0.122
New Milford	0.2568	0.100	0.045	0.388	0.084	0.048
Newington	0.2041	0.175	0.054	0.302	0.096	0.038
Newtown	0.2899	0.110	0.043	0.511	0.063	0.032
Norfolk	0.2258	0.154	0.048	0.444	0.102	0.040
North Branford	0.2290	0.170	0.040	0.332	0.062	0.043
North Canaan	0.2135	0.219	0.132	0.215	0.124	0.092

North Haven	0.2252	0.180	0.052	0.357	0.092	0.037
North Stonington	0.2256	0.122	0.061	0.370	0.068	0.021
Norwalk	0.2229	0.120	0.085	0.384	0.114	0.060
Norwich	0.2263	0.124	0.104	0.186	0.176	0.112
Old Lyme	0.2118	0.188	0.023	0.529	0.086	0.042
Old Saybrook	0.1923	0.261	0.040	0.415	0.101	0.057
Orange	0.2442	0.185	0.024	0.541	0.054	0.024
Oxford	0.2518	0.112	0.047	0.360	0.066	0.030
Plainfield	0.2439	0.119	0.129	0.136	0.136	0.066
Plainville	0.2175	0.160	0.067	0.187	0.094	0.054
Plymouth	0.2347	0.119	0.080	0.201	0.091	0.046
Pomfret	0.2622	0.108	0.070	0.357	0.092	0.029
Portland	0.2380	0.143	0.043	0.381	0.082	0.041
Preston	0.2122	0.180	0.077	0.213	0.107	0.068
Prospect	0.2434	0.121	0.061	0.295	0.070	0.035
Putnam	0.2458	0.143	0.072	0.174	0.116	0.077
Redding	0.2602	0.157	0.024	0.632	0.110	0.044
Ridgefield	0.3080	0.125	0.013	0.684	0.061	0.041
Rocky Hill	0.1908	0.181	0.051	0.417	0.050	0.026
Roxbury	0.2077	0.152	0.016	0.543	0.035	0.013
Salem	0.2791	0.081	0.041	0.466	0.067	0.067
Salisbury	0.1599	0.298	0.068	0.514	0.127	0.098
Scotland	0.2595	0.093	0.071	0.236	0.014	0.005
Seymour	0.2120	0.127	0.060	0.253	0.098	0.055
Sharon	0.1639	0.216	0.061	0.390	0.049	0.012
Shelton	0.2155	0.167	0.059	0.324	0.077	0.037
Sherman	0.2431	0.141	0.043	0.525	0.092	0.038
Simsbury	0.2917	0.126	0.016	0.633	0.070	0.046
Somers	0.2066	0.123	0.101	0.298	0.069	0.023
South Windsor	0.2484	0.137	0.050	0.426	0.080	0.047
Southbury	0.1990	0.311	0.039	0.424	0.037	0.018
Southington	0.2234	0.162	0.055	0.340	0.088	0.033
Sprague	0.1827	0.111	0.049	0.300	0.061	0.061
Stafford	0.1917	0.144	0.109	0.197	0.086	0.047
Stamford	0.2196	0.118	0.052	0.435	0.104	0.052
Sterling	0.2386	0.096	0.128	0.177	0.052	0.044
Stonington	0.2172	0.178	0.041	0.428	0.100	0.067
Stratford	0.2277	0.173	0.076	0.288	0.126	0.060
Suffield	0.1986	0.129	0.071	0.367	0.070	0.031
Thomaston	0.2274	0.129	0.063	0.229	0.107	0.031
Thompson	0.2303	0.132	0.091	0.180	0.114	0.076
Tolland	0.2770	0.104	0.030	0.460	0.079	0.031
Torrington	0.2148	0.163	0.088	0.193	0.112	0.064
Trumbull	0.2578	0.204	0.033	0.482	0.077	0.038
Union	0.1589	0.199	0.042	0.308	0.031	0.021
Vernon	0.2018	0.149	0.070	0.293	0.110	0.073
Voluntown	0.2122	0.086	0.073	0.257	0.065	0.030
Wallingford	0.2173	0.141	0.062	0.324	0.093	0.052
Warren	0.2302	0.137	0.039	0.423	0.079	0.049
Washington	0.2250	0.167	0.021	0.359	0.072	0.045
Waterbury	0.2683	0.131	0.123	0.162	0.215	0.144
Waterford	0.2127	0.197	0.057	0.361	0.064	0.032
Watertown	0.2315	0.154	0.071	0.320	0.084	0.040
West Hartford	0.2307	0.178	0.037	0.582	0.092	0.050
West Haven	0.2150	0.124	0.079	0.223	0.162	0.084
Westbrook	0.2029	0.205	0.064	0.353	0.060	0.031

Weston	0.3211	0.112	0.005	0.800	0.044	0.024
Westport	0.2988	0.152	0.014	0.742	0.073	0.051
Wethersfield	0.2111	0.205	0.071	0.377	0.095	0.049
Willington	0.1595	6.100	0.073	0.400	0.046	0.021
Wilton	0.3218	0.061	0.026	0.702	0.047	0.032
Winchester	0.2241	0.137	0.083	0.219	0.137	0.066
Windham	0.2146	0.112	0.138	0.213	0.171	0.112
Windsor	0.2305	0.130	0.037	0.366	0.133	0.078
Windsor Locks	0.2204	0.153	0.065	0.210	0.132	0.063
Wolcott	0.2291	0.138	0.060	0.249	0.083	0.058
Woodbridge	0.2440	0.178	0.013	0.667	0.049	0.027
Woodbury	0.2210	0.131	0.034	0.474	0.077	0.028
Woodstock	0.2366	0.143	0.047	0.338	0.090	0.053

A2. Indicators of Public Food Assistance Programs

Town	%Part. SNAP	Distance to SNAP office	Time to SNAP office	Distance to WIC office	Time to WIC office	%Eligible free/reduced price meals	%School breakfast part.	Expend. Food services Per pupil
Andover	0.0000	8.38	13	18.16	23		0	9,806
Ansonia	0.3556	12.27	26	16.61	23	0.0719	0.692	8,910
Ashford	0.3918	16.2	24	18.29	25		0	10,914
Avon	0.0626	12.87	25	14.65	29	0.0914	0	10,218
Barkhamsted	0.0000	17.05	23	18.5	25	0.1262	0	10,447
Beacon Falls	0.2639	9.48	13	9.19	13		0	9,512
Berlin	0.1101	2.84	6	13.68	23	1.0000	0	9,786
Bethany	0.0780	9.45	19	9.29	18	0.0810	0	10,842
Bethel	0.2559	3.45	10	2.48	7	0.8306	0.023	10,853
Bethlehem	0.2698	18.66	30	14.35	27		0	10,934
Bloomfield	0.3083	5.64	11	3.76	11	0.0705	0.47	12,855
Bolton	0.1007	3.53	7	12.95	17	0.4360	0	11,324
Bozrah	0.1349	9.59	15	18.63	25	0.6613	0.297	10,362
Branford	0.1735	9.82	20	8.18	14	0.0188	0	10,960
Bridgeport	0.3040	3.23	5	3.29	6	0.0194	0.564	10,857
Bridgewater	0.1042	13.52	25	14.49	28		0	14,797
Bristol	0.3330	14.12	24	0.056	1	0.1571	0.306	9,973
Brookfield	0.2494	8.18	12	9.15	15	-	0	10,228
Brooklyn	0.3528	16.56	25	18.65	26	-	0.435	9,695
Burlington	0.1264	20.95	35	8.05	18		0	9,572
Canaan	0.1692	25.28	36	22.6	36	-	0	16,135
Canterbury	0.2042	13.34	23	14.34	26	0.7909	0.174	11,246
Canton	0.1763	16.42	31	13.31	28	0.4336	0.126	10,480
Chaplin	0.5351	7.78	13	9.87	14	0.8007	0	14,419
Cheshire	0.0681	11.36	21	9.79	18	0.9268	0.082	9,753
Chester	0.0775	16.71	20	16.1	21	0.0693	0	11,842
Clinton	0.3009	22.8	33	22.19	34	0.0105	0	11,535
Colchester	0.2796	19.07	24	23.88	26	0.3816	0.346	9,170
Colebrook	0.0000	14.14	22	15.59	24	0.0544	0	12,392
Columbia	0.2919	5.58	9	4.58	6	0.0976	0	10,411
Cornwall	0.3396	15.04	26	12.78	22	0.3950	0	15,383
Coventry	0.1395	6.75	13	5.76	11	0.0708	0.394	9,500
Cromwell	0.2007	2.79	5	3.44	6	1.0000	0	10,778
Danbury	0.1977	0.29	1	0.81	2	1.0000	0.382	10,405
Darien	0.0491	5.14	11	4.94	10	0.5892	0	12,725
Deep River	0.2016	18.02	21	17.41	21	0.3492	0	11,999
Derby	0.2108	10.74	22	18.06	24	0.0734	0.232	10,430
Durham	0.0000	5.73	11	5.46	10		0	11,432
East Granby	0.7333	12.99	15	16.97	22	0.2585	0	11,828
East Haddam	0.1053	17.25	22	16.63	23	0.0812	0.139	10,849
East Hampton	0.0370	10.16	17	10.47	18	0.8007	0	10,101
East Hartford	0.3318	6.95	17	2.17	6	0.2533	0.442	10,119
East Haven	0.3335	6.98	16	5.34	11	-	0.319	10,585
East Lyme	0.2917	14.39	20	7.88	13	1.0000	0	10,801
East Windsor	0.5072	12.35	27	13.66	24	0.6455	0	9,464
Eastford	0.1121	16.05	25	18.14	26	0.4901	0	11,943
Easton	0.2793	11.21	19	12.51	23		0	11,509
Ellington	0.1602	9.71	24	16.88	27	1.0000	0	9,574
Enfield	0.2568	25.02	33	17.62	22	1.0000	0.148	10,012
Essex	0.1545	21.18	24	20.57	25	1.0000	0	11,311

Fairfield	0.1563	7.34	11	7.41	12	0.3252	0.023	13,249
Farmington	0.2229	13.72	21	7.67	16	0.2000	0	10,513
Franklin	0.1190	10.53	18	19.57	27		0	11,650
Glastonbury	0.1590	17.58	24	5.54	10	0.0710	0.122	9,778
Goshen	0.0833	8.55	15	6.29	11		0	12,207
Granby	0.2911	16.22	21	25.48	52	0.1028	0	9,933
Greenwich	0.0701	7.06	13	6.11	11	0.8043	0.132	15,884
Griswold	0.4406	14.67	21	23.7	30	1.0000	0.376	9,667
Groton	0.2837	14.3	24	4.15	9	0.1361	0.181	12,339
Guilford	0.1022	20.51	38	34.88	42	0.1151	0	10,662
Haddam	0.2308	10.44	16	9.83	17		0	10,929
Hamden	0.1874	5.44	12	11.02	16	-	0.503	12,040
Hampton	0.1607	10.61	16	12.7	18	-	0.567	14,478
Hartford	0.3781	4.54	7	3.36	10		0.402	14,365
Hartland	1.5714	15.68	24	17.13	26	0.0851	0	11,845
Harwinton	0.0333	6.43	11	5.32	10		0	9,572
Hebron	0.0000	13.35	22	20.24	24	1.0000	0	8,949
Kent	0.1149	27.17	48	24.91	44	0.1800	0	13,456
Killingly	0.3474	28.39	42	30.48	43	0.3180	0.397	10,947
Killingworth	0.0000	15.82	23	16.2	24		0	10,929
Lebanon	1.2488	13.9	25	6.91	12	1.0000	0.328	9,355
Ledyard	0.1296	9.49	19	11.75	23	0.1429	0.153	10,406
Lisbon	0.0678	14.67	21	23.7	30	1.0000	0.252	9,589
Litchfield	0.1702	10.22	14	5.88	11		0	10,878
Lyme	0.2258	27.5	33	26.89	33		0	14,483
Madison	0.0895	21.2	35	20.94	34	0.3735	0	9,421
Manchester	0.3282	1.83	4	8.25	14	0.1603	0.317	11,201
Mansfield	0.1020	4.09	9	5.96	10	0.0797	0.428	13,465
Marlborough	0.0000	15.03	31	15.4	18	0.1702	0	9,971
Meriden	0.2808	9.95	20	0.93	3	0.1000	0.299	10,815
Middlebury	0.3796	6.1	12	5.76	11		0	10,331
Middlefield	2.1765	5.68	12	5.99	14		0	11,432
Middletown	0.2546	0.32	1	0.62	2	0.2615	0.325	11,435
Milford	0.0190	13.12	24	11.58	18	0.2582	0.351	11,546
Monroe	0.0901	12.44	19	13.74	23	0.1476	0.138	9,385
Montville	0.5235	7.61	13	8.55	16	0.0984	0.444	10,239
Morris	0.0473	15.31	23	11	20		0	12,207
Naugatuck	0.2276	6.06	9	5.77	8	0.2233	0.209	9,975
New Britain	0.3197	1.99	6	10.06	20	0.2105	0.664	10,603
New Canaan	0.5087	9.2	19	10.08	20		0	13,947
New Fairfield	0.1663	5.57	12	6.54	15	-	0	9,539
New Hartford	0.1107	13.63	17	15.08	19	0.2174	0	10,848
New Haven	0.2831	2.04	6	0.91	3	0.4283	0.782	14,258
New London	0.4109	12.34	20	0.08	0.5	0.5029	0.446	12,010
New Milford	0.4007	15.26	22	16.22	26	0.1837	0.117	9,636
Newington	0.2674	10.45	16	16.93	21	0.1424	0	10,602
Newtown	0.1575	11.44	15	10.48	17	0.1535	0	9,729
Norfolk	0.0000	18.07	26	19.51	28	0.1815	0	13,458
North Branford	0.4308	10.18	20	11.23	19	0.1150	0	9,398
North Canaan	0.2476	24.98	36	22.6	36	0.0892	0	12,205
North Haven	0.2064	7	13	10.24	14	-	0.109	9,618
North Stonington	0.1923	15.09	27	18.33	22	0.4286	0.422	12,419
Norwalk	0.1854	15.9	21	9.62	15	1.0000	0.218	13,114
Norwich	0.3267	2.19	6	14.41	24	0.1397	0.662	10,771
Old Lyme	0.1042	26.13	30	25.51	30		0	14,483
Old Saybrook	0.2124	25.29	30	24.68	31	0.0546	0.263	11,069

Orange	0.1135	8.43	19	6.59	13	0.0732	0	11,135
Oxford	0.0430	14.2	21	13.86	20	0.5355	0	9,610
Plainfield	0.3498	17.06	31	18.06	34	0.6663	0.378	11,140
Plainville	0.4953	9.07	13	4.84	12	1.0000	0	10,951
Plymouth	0.1282	20.09	38	6.53	15	0.0449	0	9,895
Pomfret	0.0445	21.43	35	23.52	36	-	0.535	9,827
Portland	0.2132	1.55	4	1.86	5	0.2036	0	11,365
Preston	0.2446	8.24	17	27.17	35	0.0715	0.043	11,936
Prospect	0.1981	6.42	15	5.04	11		0	9,512
Putnam	0.2956	19.94	43	32.03	44	0.8370	0.544	12,290
Redding	0.1901	10.25	22	9.28	18		0	13,406
Ridgefield	0.0970	10.12	19	9.13	20	0.0352	0	11,170
Rocky Hill	0.1032	11.28	16	10.88	15	-	0.045	10,331
Roxbury	0.0000	29.76	48	23.73	36		0	14,797
Salem	0.0827	12.35	22	13.79	21	-	0	10,618
Salisbury	0.1413	31.76	49	26.58	45	0.2665	0	14,686
Scotland	0.0000	7.09	14	8.09	16	-	0	14,121
Seymour	0.1425	10.88	22	12.65	17	-	0.236	9,514
Sharon	0.1613	26.36	43	24.1	40	0.7148	0	15,500
Shelton	0.1940	11.08	23	19.34	25	-	0.166	9,575
Sherman	0.0000	14.79	30	15.76	33		0	10,333
Simsbury	0.1594	15.29	24	19.7	40	1.0000	0	10,422
Somers	0.1158	15.33	31	22.41	35	-	0	9,464
South Windsor	0.1480	11.24	19	4.84	10	-	0.213	9,904
Southbury	0.1244	11.93	15	11.59	14		0	10,331
Southington	0.2407	13.77	21	8.83	20	-	0.053	10,415
Sprague	0.1402	14.02	25	23.06	35	-	0.406	12,381
Stafford	0.3359	21.86	34	29.27	36	-	0.42	10,481
Stamford	0.1697	0.92	3	0.29	1	?	0.299	13,874
Sterling	0.1161	22.42	41	23.41	43	0.1980	0.612	9,822
Stonington	0.2269	25.06	37	15.82	23	0.1777	0.452	10,414
Stratford	0.2961	6.47	10	2.2	7	1.0000	0.319	10,178
Suffield	0.2897	14.73	21	18.72	28	0.2011	0.095	9,443
Thomaston	0.1480	12.83	14	11.72	14	0.1874	0	9,383
Thompson	0.2299	34.2	46	36.29	47	0.0599	0.327	9,347
Tolland	0.3363	11.22	20	18.63	21	-	0	9,235
Torrington	0.3453	2.76	5	0.48	1	0.0800	0.091	10,300
Trumbull	0.2127	5.49	9	6.8	13	0.2959	0.007	10,610
Union	0.1000	25.47	41	24.47	38	0.0548	0	9,310
Vernon	0.2943	2.66	7	11.46	16	-	0.425	11,126
Voluntown	0.2500	19.6	28	28.64	38	0.3679	0.092	11,860
Wallingford	0.2031	11.75	19	6.06	13	0.1776	0	10,344
Warren	0.0000	22.36	35	18.01	31		0	12,207
Washington	0.3538	24.1	37	25.04	45		0	14,797
Waterbury	0.3316	0.53	1	0.93	3	1.0000	0.323	11,334
Waterford	0.2541	15.43	24	2.86	8	?	0.426	11,025
Watertown	0.2561	7.27	12	8	14	0.2804	0	8,163
West Hartford	0.3027	8.81	14	4.84	15	1.0000	0.152	10,842
West Haven	0.2806	5.75	16	4.81	11	0.1918	0.506	10,404
Westbrook	0.3412	29.81	32	29.2	33	0.4901	0.102	10,951
Weston	0.0000	17.64	25	19.09	29	0.7630	0	14,802
Westport	0.0869	13.5	20	12.79	21	0.3727	0	14,421
Wethersfield	0.3235	7.98	12	13.64	17	0.1496	0.148	10,897
Willington	0.0291	13.15	27	13.73	26	0.5393	0	11,536
Wilton	0.0000	15.23	25	15.02	24	0.2601	0	12,497
Winchester	0.4207	7.57	14	6.7	13	0.0714	0.379	11,942

Windham	0.3321	3.14	7	4.14	10	0.1181	0.443	11,787
Windsor	0.3559	4.46	8	6.26	14	0.1296	0.409	11,429
Windsor Locks	0.2683	9.77	12	13.76	19	0.1193	0.325	11,199
Wolcott	0.1212	6.43	15	5.15	11	0.3224	0.089	8,516
Woodbridge	0.5082	5.53	14	5.37	13	0.2855	0	11,976
Woodbury	0.1883	25.42	35	11.8	21		0	10,934
Woodstock	0.1329	23.93	40	26.02	41	0.7296	0	9,067

A3. Indicators of Private Food Assistance Resources

Town	No. food pantries	No. soup kitchens
Andover	0	0
Ansonia	3	0
Ashford	2	0
Avon	3	0
Barkhamsted	1	0
Beacon Falls	1	0
Berlin	1	0
Bethany	0	0
Bethel	2	0
Bethlehem	1	0
Bloomfield	6	0
Bolton	1	0
Bozrah	1	0
Branford	1	1
Bridgeport	28	17
Bridgewater	0	0
Bristol	5	3
Brookfield	1	0
Brooklyn	0	0
Burlington	1	0
Canaan	0	0
Canterbury	1	0
Canton	1	0
Chaplin	0	0
Cheshire	2	0
Chester	1	1
Clinton	2	1
Colchester	1	0
Colebrook	0	0
Columbia	1	0
Cornwall	1	0
Coventry	1	0
Cromwell	1	0
Danbury	6	2
Darien	1	0
Deep River	1	1
Derby	0	0
Durham	1	0
East Granby	1	0
East Haddam	1	0
East Hampton	1	0
East Hartford	12	1
East Haven	0	0
East Lyme	3	0
East Windsor	1	1
Eastford	1	0
Easton	0	0
Ellington	2	0
Enfield	2	1
Essex	0	3
Fairfield	1	1
Farmington	2	0
Franklin	0	0
Glastonbury	2	0
Goshen	0	0
Granby	1	0
Greenwich	1	0
Griswold	1	0
Groton	1	1
Guilford	2	0
Haddam	1	0
Hamden	6	1
Hampton	0	0
Hartford	60	16
Hartland	1	0
Harwinton	0	0
Hebron	2	0
Kent	1	0
Killingly	1	1
Killingworth	1	0
Lebanon	1	0
Ledyard	3	0
Lisbon	0	0
Litchfield	1	0
Lyme	0	0
Madison	1	0
Manchester	5	2
Mansfield	1	0
Marlborough	1	0
Meriden	6	2
Middlebury	1	0
Middlefield	1	0
Middletown	3	2
Milford	5	1
Monroe	1	0
Montville	1	0
Morris	1	0
Naugatuck	1	0
New Britain	13	3
New Canaan	1	0
New Fairfield	1	0
New Hartford	0	0
New Haven	29	11
New London	7	1
New Milford	2	0
Newington	2	0
Newtown	2	0
Norfolk	0	0
North Branford	1	0
North Canaan	1	0
North Haven	3	0
North Stonington	0	0
Norwalk	6	1
Norwich	4	3
Old Lyme	2	1

Old Saybrook	1	0	Suffield	1	0
Orange	1	0	Thomaston	1	0
Oxford	0	0	Thompson	1	1
Plainfield	1	2	Tolland	1	0
Plainville	2	1	Torrington	4	2
Plymouth	1	0	Trumbull	1	0
Pomfret	1	0	Union	0	0
Portland	1	0	Vernon	3	1
Preston	1	0	Voluntown	0	0
Prospect	1	0	Wallingford	2	1
Putnam	2	1	Warren	0	0
Redding	1	0	Washington	0	0
Ridgefield	1	0	Waterbury	9	3
Rocky Hill	1	0	Waterford	2	0
Roxbury	0	0	Watertown	1	0
Salem	0	0	West Hartford	6	0
Salisbury	2	0	West Haven	5	1
Scotland	0	0	Westbrook	1	0
Seymour	1	0	Weston	1	0
Sharon	1	0	Westport	2	1
Shelton	2	0	Wethersfield	3	0
Sherman	0	0	Willington	1	0
Simsbury	1	0	Wilton	1	0
Somers	2	0	Winchester	1	1
South Windsor	1	0	Windham	4	1
Southbury	1	0	Windsor	2	0
Southington	3	1	Windsor Locks	2	0
Sprague	1	0	Wolcott	0	0
Stafford	3	1	Woodbridge	1	0
Stamford	8	1	Woodbury	1	0
Sterling	0	0	Woodstock	0	0
Stonington	1	1			
Stratford	6	0			

A4. Indicators of Food Retail Resources

Town	No. fast food restaurants
Andover	2
Ansonia	5
Ashford	1
Avon	2
Barkhamsted	1
Beacon Falls	1
Berlin	9
Bethany	0
Bethel	6
Bethlehem	0
Bloomfield	9
Bolton	0
Bozrah	0
Branford	17
Bridgeport	32
Bridgewater	0
Bristol	25
Brookfield	7
Brooklyn	1
Burlington	2
Canaan	1
Canterbury	1
Canton	4
Chaplin	1
Cheshire	7
Chester	0
Clinton	4
Colchester	6
Colebrook	0
Columbia	1
Cornwall	0
Coventry	1
Cromwell	11
Danbury	28
Darien	5
Deep River	2
Derby	8
Durham	3
East Granby	3
East Haddam	0
East Hampton	3
East Hartford	12
East Haven	9
East Lyme	3
East Windsor	7
Eastford	0
Easton	0
Ellington	2
Enfield	19
Essex	3
Fairfield	19
Farmington	13
Franklin	2
Glastonbury	10
Goshen	0
Granby	3
Greenwich	11
Griswold	2
Groton	19
Guilford	8
Haddam	3
Hamden	21
Hampton	0
Hartford	51
Hartland	0
Harwinton	1
Hebron	2
Kent	0
Killingly	6
Killingworth	3
Lebanon	2
Ledyard	3
Lisbon	4
Litchfield	1
Lyme	0
Madison	4
Manchester	32
Mansfield	8
Marlborough	2
Meriden	23
Middlebury	3
Middlefield	0
Middletown	12
Milford	28
Monroe	9
Montville	6
Morris	0
Naugatuck	14
New Britain	17
New Canaan	2
New Fairfield	2
New Hartford	2
New Haven	43
New London	13
New Milford	8
Newington	13
Newtown	2
Norfolk	0
North Branford	4
North Canaan	2
North Haven	13
North Stonington	5

Norwalk	32
Norwich	15
Old Lyme	1
Old Saybrook	7
Orange	7
Oxford	3
Plainfield	7
Plainville	10
Plymouth	1
Pomfret	0
Portland	5
Preston	3
Prospect	2
Putnam	7
Redding	0
Ridgefield	9
Rocky Hill	10
Roxbury	0
Salem	1
Salisbury	0
Scotland	0
Seymour	7
Sharon	0
Shelton	12
Sherman	0
Simsbury	5
Somers	2
South Windsor	5
Southbury	5
Southington	17
Sprague	0
Stafford	3
Stamford	24
Sterling	0

Stonington	3
Stratford	18
Suffield	3
Thomaston	3
Thompson	1
Tolland	2
Torrington	18
Trumbull	10
Union	0
Vernon	14
Voluntown	1
Wallingford	14
Warren	0
Washington	0
Waterbury	42
Waterford	11
Watertown	8
West Hartford	20
West Haven	18
Westbrook	2
Weston	0
Westport	5
Wethersfield	5
Willington	2
Wilton	2
Winchester	1
Windham	14
Windsor	8
Windsor Locks	12
Wolcott	4
Woodbridge	1
Woodbury	0
Woodstock	0

A5. Indicators of Transportation Accessibility

Town	% Household w/o car	Number Public operators
Andover	0.049	0.0317
Ansonia	0.097	0.0045
Ashford	0.039	0.0323
Avon	0.036	0.0128
Barkhamsted	0.006	0.3750
Beacon Falls	0.038	0.0116
Berlin	0.033	0.0080
Bethany	-	0.0000
Bethel	0.028	0.0109
Bethlehem	0.019	0.0000
Bloomfield	0.074	0.0031
Bolton	0.010	0.1000
Bozrah	0.005	0.2000
Branford	0.062	0.0039
Bridgeport	0.213	0.0004
Bridgewater	0.012	0.0000
Bristol	0.065	0.0025
Brookfield	0.027	0.0064
Brooklyn	0.062	0.0130
Burlington	0.008	0.0000
Canaan	0.146	0.0125
Canterbury	0.020	0.0256
Canton	0.029	0.0172
Chaplin	0.023	0.0909
Cheshire	0.046	0.0071
Chester	0.011	0.1875
Clinton	0.017	0.0313
Colchester	0.029	0.0181
Colebrook	0.023	0.0769
Columbia	0.019	0.0769
Cornwall	0.017	0.0909
Coventry	0.019	0.0333
Cromwell	0.034	0.0169
Danbury	0.085	0.0016
Darien	0.030	0.0102
Deep River	0.039	0.0137
Derby	0.108	0.0056
Durham	0.022	0.0175
East Granby	0.033	0.0000
East Haddam	0.028	0.0000
East Hampton	0.027	0.0156
East Hartford	0.117	0.0013
East Haven	0.071	0.0025
East Lyme	0.038	0.0077
East Windsor	0.051	0.0000
Eastford	0.009	0.1667
Easton	0.017	0.0000
Ellington	0.024	0.0000
Enfield	0.043	0.0028
Essex	0.027	0.0385
Fairfield	0.031	0.0070
Farmington	0.072	0.0054
Franklin	0.020	0.0000
Glastonbury	0.033	0.0100
Goshen	0.014	0.0556
Granby	0.014	0.0351
Greenwich	0.041	0.0021
Griswold	0.082	0.0054
Groton	0.065	0.0019
Guilford	0.027	0.0127
Haddam	0.051	0.0071
Hamden	0.074	0.0006
Hampton	0.027	0.1000
Hartford	0.322	0.0002
Hartland	0.018	0.0000
Harwinton	0.030	0.0339
Hebron	0.013	0.0244
Kent	0.038	0.0213
Killingly	0.039	0.0076
Killingworth	0.019	0.0476
Lebanon	0.014	0.0488
Ledyard	0.003	0.0526
Lisbon	0.005	0.0000
Litchfield	0.045	0.0123
Lyme	0.005	0.2000
Madison	0.043	0.0102
Manchester	0.072	0.0024
Mansfield	0.012	0.0462
Marlborough	0.018	0.0541
Meriden	0.129	0.0013
Middlebury	0.037	0.0208
Middlefield	0.005	0.0000
Middletown	0.093	0.0021
Milford	0.049	0.0027
Monroe	0.019	0.0000
Montville	0.035	0.0042
Morris	0.003	0.3333
Naugatuck	0.048	0.0052
New Britain	0.146	0.0010
New Canaan	0.027	0.0054
New Fairfield	0.024	0.0088
New Hartford	0.032	0.0250
New Haven	0.274	0.0003
New London	0.159	0.0024
New Milford	0.026	0.0074
Newington	0.040	0.0064
Newtown	0.026	0.0089
Norfolk	0.043	0.0357
North Branford	0.035	0.0109
North Canaan	0.031	0.0000
North Haven	0.033	0.0070
North Stonington	0.004	0.2222
Norwalk	0.069	0.0018
Norwich	0.104	0.0019

Old Lyme	0.029	0.0225	Stratford	0.060	0.0026
Old Saybrook	0.025	0.0450	Suffield	0.041	0.0000
Orange	0.035	0.0115	Thomaston	0.022	0.0147
Oxford	0.010	0.0000	Thompson	0.047	0.0059
Plainfield	0.042	0.0042	Tolland	0.005	0.0400
Plainville	0.029	0.0144	Torrington	0.114	0.0018
Plymouth	0.019	0.0000	Trumbull	0.046	0.0057
Pomfret	0.062	0.0000	Union	0.021	0.1667
Portland	0.026	0.0108	Vernon	0.048	0.0047
Preston	0.015	0.0357	Voluntown	0.021	0.0000
Prospect	0.036	0.0085	Wallingford	0.036	0.0064
Putnam	0.074	0.0037	Warren	0.013	0.0000
Redding	0.022	0.0274	Washington	0.026	0.0000
Ridgefield	0.023	0.0155	Waterbury	0.168	0.0006
Rocky Hill	0.069	0.0037	Waterford	0.032	0.0080
Roxbury	0.022	0.0500	Watertown	0.043	0.0028
Salem	0.012	0.0000	West Hartford	0.065	0.0013
Salisbury	0.015	0.0385	West Haven	0.083	0.0012
Scotland	0.011	0.1429	Westbrook	0.087	0.0117
Seymour	0.050	0.0120	Weston	0.007	0.0000
Sharon	0.021	0.0400	Westport	0.024	0.0132
Shelton	0.046	0.0043	Wethersfield	0.061	0.0061
Sherman	-	#DIV/0!	Willington	0.055	0.0156
Simsbury	0.029	0.0081	Wilton	0.023	0.0226
Somers	0.025	0.0128	Winchester	0.033	0.0072
South Windsor	0.029	0.0072	Windham	0.147	0.0017
Southbury	0.069	0.0000	Windsor	0.039	0.0095
Southington	0.030	0.0062	Windsor Locks	0.040	0.0200
Sprague	0.037	0.0000	Wolcott	0.018	0.0000
Stafford	0.037	0.0000	Woodbridge	0.057	0.0051
Stamford	0.112	0.0010	Woodbury	0.044	0.0000
Sterling	0.018	0.0000	Woodstock	0.021	0.0000
Stonington	0.024	0.0107			

A6. Indicators of Income and Poverty

Town	Median household income	Per capita income	Net grand list per capita	Monthly gross rent	Monthly owner cost	Child poverty rate	Overall poverty rate
Andover	84,757	38,825	119,393	1,039	1,610	0.0000	0.0245
Ansonia	61,460	25,476	85,892	980	1,630	0.1775	0.0962
Ashford	68,319	29,921	93,768	876	1,495	0.0485	0.0437
Avon	104,447	55,844	215,289	1,232	2,077	0.0328	0.0315
Barkhamsted	89,402	34,819	125,651	869	1,462	0.0356	0.0147
Beacon Falls	76,620	32,156	84,198	978	1,604	0.0432	0.0377
Berlin	87,974	39,162	147,811	952	1,584	0.1125	0.0548
Bethany	114,583	45,528	165,225	1,860	2,220	0.0544	0.0256
Bethel	83,614	36,962	165,033	1,206	2,109	0.0596	0.0460
Bethlehem	80,955	40,138	172,435	745	1,731	0.0000	0.0177
Bloomfield	68,879	39,884	118,738	1,159	1,564	0.0091	0.0513
Bolton	89,624	43,496	121,855	978	1,756	0.0431	0.0290
Bozrah	72,083	36,932	147,786	1,002	1,237	0.0497	0.0522
Branford	71,348	41,744	159,993	1,168	1,655	0.0696	0.0524
Bridgeport	40,530	19,802	76,395	973	1,595	0.2732	0.1946
Bridgewater	86,705	62,638	337,185	1,125	1,657	0.0246	0.0291
Bristol	57,781	29,090	95,688	810	1,354	0.1053	0.0763
Brookfield	105,546	47,091	216,324	1,345	2,386	0.0248	0.0240
Brooklyn	78,016	24,347	84,198	725	1,295	0.0537	0.0590
Burlington	116,419	44,900	136,336	1,048	2,095	0.0124	0.0191
Canaan	51,797	35,803	217,591	652	1,287	0.1058	0.0570
Canterbury	69,851	29,636	91,327	682	1,331	0.0294	0.0280
Canton	86,912	45,177	149,131	950	1,940	0.0374	0.0346
Chaplin	59,727	28,053	91,172	879	1,432	0.0387	0.0453
Cheshire	106,098	40,898	144,043	1,165	2,058	0.0259	0.0224
Chester	86,890	41,167	184,764	1,136	1,626	0.0215	0.0337
Clinton	74,213	37,186	175,005	1,019	1,640	0.0280	0.0242
Colchester	91,147	35,154	108,830	964	1,824	0.0394	0.0288
Colebrook	75,560	40,289	171,609	928	1,311	0.0299	0.0305
Columbia	80,479	34,242	137,097	863	1,452	0.0258	0.0391
Cornwall	81,071	55,428	381,719	943	1,378	0.0184	0.0363
Coventry	84,653	34,220	94,087	1,048	1,596	0.0572	0.0529
Cromwell	79,955	40,618	134,076	1,056	1,591	0.0570	0.0397
Danbury	65,419	31,003	138,837	1,166	1,730	0.0778	0.0814
Darien	181,019	94,953	570,678	2,000+	3,839	0.0304	0.0293
Deep River	72,308	36,599	178,375	957	1,635	0.0901	0.0519
Derby	52,628	27,636	116,952	965	1,539	0.1975	0.1125
Durham	103,984	37,824	146,759	1,292	1,932	0.0000	0.0204
East Granby	85,885	44,122	150,255	815	1,697	0.0000	0.0087
East Haddam	84,792	37,357	147,447	978	1,767	0.0403	0.0279
East Hampton	87,535	38,141	121,150	914	1,820	0.0358	0.0454
East Hartford	48,747	24,801	89,028	852	1,274	0.2273	0.1386
East Haven	62,962	28,820	106,902	990	1,560	0.0942	0.0642
East Lyme	78,191	34,733	171,734	1,090	1,464	0.0151	0.0242
East Windsor	64,655	30,926	127,055	890	1,395	0.0465	0.0390
Eastford	73,170	33,378	116,941	730	1,405	0.1069	0.0685
Easton	152,969	64,392	302,501	2,000+	3,053	0.0105	0.0151
Ellington	83,169	36,128	114,338	998	1,664	0.0449	0.0337
Enfield	67,390	28,515	95,376	979	1,360	0.0783	0.0579
Essex	87,684	56,341	245,865	959	1,845	0.0000	0.0364

Fairfield	112,336	55,579	294,456	1,446	2,553	0.0301	0.0290
Farmington	81,554	48,136	194,768	1,136	1,652	0.0573	0.0529
Franklin	73,393	31,102	149,750	975	1,445	0.0221	0.0231
Glastonbury	102,966	47,766	171,234	1,112	1,961	0.0389	0.0303
Goshen	83,620	39,549	247,157	1,057	1,591	0.0541	0.0228
Granby	98,625	42,599	128,706	1,091	1,922	0.0079	0.0142
Greenwich	122,092	92,014	800,918	1,721	3,035	0.0323	0.0356
Griswold	65,696	29,407	101,009	842	1,441	0.0374	0.0428
Groton	59,844	31,697	154,990	1,087	1,421	0.0911	0.0656
Guilford	93,350	48,459	207,337	1,258	1,989	0.0289	0.0329
Haddam	84,766	39,531	158,611	1,050	1,848	0.0068	0.0201
Hamden	66,373	34,057	113,511	1,138	1,613	0.0817	0.0714
Hampton	78,871	32,732	94,647	895	1,532	0.0321	0.0280
Hartford	29,190	17,094	68,257	775	1,413	0.4247	0.2958
Hartland	85,365	35,536	131,092	1,158	1,547	0.0000	0.0035
Harwinton	83,030	36,859	144,200	1,583	1,595	0.0609	0.0486
Hebron	112,079	39,547	124,758	884	1,879	0.0413	0.0194
Kent	66,692	44,933	302,738	1,041	1,410	0.0000	0.0502
Killingly	53,181	24,451	101,018	744	1,180	0.1341	0.0983
Killingworth	99,012	43,541	168,566	1,082	2,076	0.0000	0.0017
Lebanon	74,179	33,722	119,384	1,193	1,484	0.0000	0.0284
Ledyard	82,275	35,383	117,502	1,133	1,740	0.0095	0.0178
Lisbon	73,988	29,892	131,369	841	1,631	0.0314	0.0558
Litchfield	78,983	40,761	183,478	889	1,725	0.0569	0.0495
Lyme	93,235	65m983	402,775	745	2,005	0.0155	0.0139
Madison	106,313	48,623	237,510	1,173	2,259	0.0227	0.0167
Manchester	58,685	32,006	105,330	1,005	1,410	0.1037	0.0764
Mansfield	60,885	20,496	50,017	982	1,282	0.1094	0.0952
Marlborough	106,897	40,987	131,623	1,271	1,957	0.0136	0.0240
Meriden	54,155	27,021	84,229	877	1,432	0.2732	0.1543
Middlebury	94,816	43,447	204,803	721	1,956	0.0000	0.0150
Middlefield	82,663	35,588	154,942	956	1,817	0.0000	0.0040
Middletown	59,677	30,119	107,202	872	1,477	0.1274	0.1092
Milford	76,175	38,549	180,583	1,244	1,744	0.0470	0.0391
Monroe	108,807	43,128	184,944	1,396	2,240	0.0300	0.0287
Montville	66,967	27,776	105,599	873	1,455	0.0417	0.0355
Morris	74,306	38,018	196,303	773	1,777	0.0659	0.0615
Naugatuck	60,368	27,222	90,345	904	1,456	0.0942	0.0696
New Britain	40,717	21,243	57,889	803	1,299	0.3029	0.1788
New Canaan	163,457	99,160	599,028	1,939	3,579	0.0125	0.0231
New Fairfield	102,985	39,261	179,530	1,377	1,986	0.0340	0.0291
New Hartford	80,082	39,432	140,622	1,020	1,720	0.0223	0.0363
New Haven	37,823	21,176	72,180	980	1,602	0.3130	0.2238
New London	43,779	21,829	88,693	887	1,348	0.2258	0.1374
New Milford	86,977	39,390	168,066	990	1,966	0.0105	0.0209
Newington	69,221	32,877	136,951	1,016	1,298	0.0483	0.0505
Newtown	108,273	45,542	201,487	1,065	2,518	0.0099	0.0212
Norfolk	93,287	41,412	230,384	820	1,580	0.0231	0.0418
North Branford	87,662	35,494	135,776	1,294	1,676	0.0000	0.0045
North Canaan	44,971	24,974	144,240	968	941	0.1897	0.1261
North Haven	82,055	36,968	189,014	1,155	1,601	0.0593	0.0341
North Stonington	84,003	36,755	165,048	865	1,597	0.0118	0.0397
Norwalk	75,695	41,419	186,555	1,222	2,206	0.1122	0.0809
Norwich	50,381	26,236	90,002	890	1,335	0.2221	0.1398
Old Lyme	87,612	50,249	281,977	1,171	1,715	0.0210	0.0388
Old Saybrook	80,278	42,390	312,296	1,294	1,538	0.0789	0.0493

Orange	102,216	44,525	227,588	1,194	2,085	0.0000	0.0166
Oxford	103,107	39,122	151,284	1,250	1,960	0.0373	0.0244
Plainfield	59,440	25,568	91,720	863	1,422	0.0496	0.0552
Plainville	62,440	29,526	115,848	797	1,243	0.0750	0.0493
Plymouth	70,132	29,337	92,227	700	1,467	0.0532	0.0551
Pomfret	64,419	30,959	112,033	1,107	1,386	0.0888	0.0704
Portland	88,262	37,614	120,391	882	1,611	0.1018	0.0541
Preston	75,911	32,528	115,169	1,200	1,459	0.2048	0.0848
Prospect	85,517	36,981	132,608	1,216	1,650	0.0497	0.0337
Putnam	50,893	25,144	95,574	824	1,184	0.2090	0.1438
Redding	122,596	64,951	312,316	1,799	2,630	0.0000	0.0162
Ridgefield	128,500	67,076	329,296	1,729	2,944	0.0121	0.0181
Rocky Hill	71,856	36,155	144,305	1,138	1,501	0.0194	0.0471
Roxbury	108,750	62,090	392,344	1,308	2,356	0.0104	0.0126
Salem	94,488	40,077	135,542	897	1,903	0.0122	0.0324
Salisbury	66,477	47,751	362,557	907	1,215	0.0635	0.0461
Scotland	72,813	29,525	100,008	1,042	1,503	0.0000	0.0222
Seymour	70,534	32,942	125,030	912	1,588	0.0378	0.0465
Sharon	77,188	42,798	316,200	873	1,642	0.0000	0.0718
Shelton	81,230	38,255	184,593	1,076	1,741	0.0325	0.0300
Sherman	114,722	47,865	258,657	1,361	2,226	0.0379	0.0215
Simsbury	110,281	52,877	155,846	932	2,123	0.0126	0.0176
Somers	94,826	31,361	95,008	1,075	1,736	0.0992	0.0519
South Windsor	88,643	38,659	136,884	1,029	1,696	0.0116	0.0193
Southbury	72,941	40,076	178,870	1,267	1,674	0.0183	0.0496
Southington	78,074	35,956	132,620	902	1,488	0.0459	0.0416
Sprague	70,640	34,063	96,703	873	1,572	0.2007	0.0880
Stafford	64,181	28,022	97,185	788	1,368	0.0344	0.0439
Stamford	76,134	46,928	270,608	1,411	2,310	0.1214	0.1007
Sterling	66,823	23,803	108,107	834	1,415	0.1495	0.1643
Stonington	71,338	41,246	231,390	931	1,513	0.0564	0.0481
Stratford	66,127	31,571	130,607	1,027	1,616	0.0287	0.0462
Suffield	90,931	40,719	118,315	885	1,645	0.0194	0.0214
Thomaston	62,250	29,827	110,157	829	1,383	0.0297	0.0285
Thompson	56,002	27,037	96,570	779	1,195	0.0954	0.0809
Tolland	102,015	40,437	111,241	1,040	1,780	0.0212	0.0233
Torrington	47,877	25,884	92,508	764	1,237	0.1353	0.1080
Trumbull	101,419	43,576	209,803	1,229	2,174	0.0244	0.0226
Union	85,417	36,042	185,381	1,179	1,164	0.0000	0.0300
Vernon	63,906	31,953	87,547	874	1,395	0.0853	0.0779
Voluntown	75,985	32,783	119,153	1,083	1,486	0.0269	0.0107
Wallingford	70,172	33,399	145,320	958	1,514	0.0771	0.0628
Warren	86,964	50,299	307,831	1,375	1,970	0.0297	0.0376
Washington	65,254	47,884	432,896	952	1,716	0.0000	0.0177
Waterbury	39,832	21,222	61,971	834	1,330	0.3183	0.1985
Waterford	68,147	36,626	245,738	899	1,306	0.0160	0.0294
Watertown	75,482	32,923	126,114	869	1,513	0.0231	0.0316
West Hartford	79,499	42,655	145,533	1,026	1,708	0.0442	0.0562
West Haven	52,856	25,722	90,363	971	1,614	0.1420	0.0988
Westbrook	60,938	41,667	262,951	919	1,446	0.0573	0.0447
Weston	206,469	97,198	386,963	1,190	3,814	0.0061	0.0145
Westport	151,233	92,854	555,648	1,568	3,481	0.0368	0.0283
Wethersfield	70,525	36,596	135,898	871	1,481	0.0280	0.0340
Willington	65,985	28,664	105,386	1,057	1,539	0.0183	0.1616
Wilton	153,179	78,887	399,612	1,078	3,550	0.0114	0.0214
Winchester	57,513	28,087	97,132	875	1,402	0.1032	0.0826

Windham	38,248	19,286	58,652	696	1,097	0.3144	0.1866
Windsor	79,294	35,302	130,471	1,100	1,553	0.0365	0.0333
Windsor Locks	64,110	29,502	150,349	841	1,313	0.0650	0.0627
Wolcott	77,482	33,174	113,314	832	1,630	0.0098	0.0263
Woodbridge	130,884	72,472	181,626	972	2,460	0.0107	0.0133
Woodbury	82,097	42,669	188,055	972	1,773	0.0281	0.0319
Woodstock	72,272	34,813	133,459	745	1,422	0.0491	0.0564

Indicators of Income and Poverty (B6) continued

Town	**Unem-ployment**	**% renters occupied units**
Andover	0.064	0.0767
Ansonia	0.106	0.3759
Ashford	0.075	0.2376
Avon	0.055	0.1649
Barkhamsted	0.086	0.1448
Beacon Falls	0.091	0.2022
Berlin	0.074	0.0894
Bethany	0.059	0.0640
Bethel	0.071	0.2172
Bethlehem	0.065	0.1126
Bloomfield	0.093	0.2607
Bolton	0.062	0.1541
Bozrah	0.069	0.1573
Branford	0.071	0.2773
Bridgeport	0.135	0.5361
Bridgewater	0.051	0.0901
Bristol	0.095	0.3362
Brookfield	0.064	0.1089
Brooklyn	0.095	0.2540
Burlington	0.069	0.0676
Canaan	0.074	0.3169
Canterbury	0.077	0.0997
Canton	0.063	0.1920
Chaplin	0.063	0.2087
Cheshire	0.066	0.1543
Chester	0.059	0.2931
Clinton	0.071	0.1726
Colchester	0.076	0.2010
Colebrook	0.045	0.1156
Columbia	0.071	0.0678
Cornwall	0.071	0.1936
Coventry	0.076	0.1229
Cromwell	0.069	0.1903
Danbury	0.071	0.3799
Darien	0.059	0.1240
Deep River	0.072	0.2310
Derby	0.101	0.3906
Durham	0.059	0.0701
East Granby	0.058	0.1518
East Haddam	0.061	0.1286
East Hampton	0.087	0.1168
East Hartford	0.106	0.4249
East Haven	0.092	0.2403
East Lyme	0.072	0.1864
East Windsor	0.096	0.3460
Eastford	0.069	0.1002
Easton	0.058	0.0315
Ellington	0.075	0.3024
Enfield	0.087	0.2233
Essex	0.065	0.2116
Fairfield	0.072	0.1490
Farmington	0.066	0.2228
Franklin	0.071	0.1213
Glastonbury	0.058	0.1438
Goshen	0.069	0.0776
Granby	0.062	0.0900
Greenwich	0.062	0.2668
Griswold	0.083	0.2561
Groton	0.087	0.4676
Guilford	0.06	0.1154
Haddam	0.058	0.0901
Hamden	0.082	0.3141
Hampton	0.076	0.1051
Hartford	0.157	0.7293
Hartland	0.058	0.0915
Harwinton	0.063	0.0335
Hebron	0.06	0.0701
Kent	0.072	0.2575
Killingly	0.109	0.3089
Killingworth	0.062	0.0345
Lebanon	0.072	0.1230
Ledyard	0.068	0.1346
Lisbon	0.069	0.1198
Litchfield	0.08	0.1844
Lyme	0.07	0.1088
Madison	0.056	0.1101
Manchester	0.082	0.3997
Mansfield	0.07	0.3255
Marlborough	0.068	0.0712
Meriden	0.103	0.3669
Middlebury	0.065	0.1070
Middlefield	0.07	0.1401
Middletown	0.08	0.4264
Milford	0.079	0.2246
Monroe	0.072	0.0900
Montville	0.086	0.2127
Morris	0.081	0.1886

Naugatuck	0.108	0.2971
New Britain	0.126	0.5425
New Canaan	0.054	0.1920
New Fairfield	0.071	0.0506
New Hartford	0.073	0.1006
New Haven	0.13	0.6860
New London	0.103	0.6318
New Milford	0.07	0.1770
Newington	0.078	0.1668
Newtown	0.061	0.1019
Norfolk	0.073	0.1933
North Branford	0.08	0.1283
North Canaan	0.077	0.3302
North Haven	0.091	0.1663
North Stonington	0.076	0.0664
Norwalk	0.076	0.3320
Norwich	0.101	0.4358
Old Lyme	0.063	0.1504
Old Saybrook	0.072	0.1712
Orange	0.062	0.0970
Oxford	0.065	0.0510
Plainfield	0.108	0.2321
Plainville	0.094	0.2552
Plymouth	0.101	0.0239
Pomfret	0.068	0.2459
Portland	0.074	0.1570
Preston	0.077	0.1183
Prospect	0.083	0.1014
Putnam	0.092	0.4666
Redding	0.055	0.1245
Ridgefield	0.056	0.1365
Rocky Hill	0.069	0.3636
Roxbury	0.044	0.0888
Salem	0.063	0.0884
Salisbury	0.069	0.3292
Scotland	0.057	0.0798
Seymour	0.08	0.2293
Sharon	0.064	0.1973
Shelton	0.076	0.1464
Sherman	0.055	0.0766
Simsbury	0.061	0.1284
Somers	0.073	0.0573

South Windsor	0.064	0.1038
Southbury	0.075	0.1124
Southington	0.076	0.1479
Sprague	0.092	0.3131
Stafford	0.087	0.2305
Stamford	0.071	0.4207
Sterling	0.105	0.1317
Stonington	0.065	0.2718
Stratford	0.096	0.1906
Suffield	0.07	0.1635
Thomaston	0.079	0.2311
Thompson	0.095	0.2105
Tolland	0.061	0.0604
Torrington	0.104	0.3342
Trumbull	0.066	0.0869
Union	0.063	0.0455
Vernon	0.079	0.4054
Voluntown	0.078	0.1144
Wallingford	0.08	0.2659
Warren	0.067	0.0829
Washington	0.063	0.2487
Waterbury	0.137	0.5029
Waterford	0.079	0.1414
Watertown	0.088	0.1747
West Hartford	0.074	0.2548
West Haven	0.101	0.3841
Westbrook	0.077	0.2617
Weston	0.053	0.0756
Westport	0.057	0.1136
Wethersfield	0.084	0.1941
Willington	0.059	0.3488
Wilton	0.056	0.0850
Winchester	0.106	0.2890
Windham	0.108	0.4667
Windsor	0.079	0.1735
Windsor Locks	0.08	0.2052
Wolcott	0.097	0.0935
Woodbridge	0.056	0.0735
Woodbury	0.069	0.1757
Woodstock	0.072	0.1551

A7. Indicators of Community Food Production Resources

Town	% land in ag	Farmers' markets	CSA's	Community Farms	Farm stands
Andover	0.048	0	0	0	2
Ansonia	0.008	0	0	0	0
Ashford	0.007	1	0	0	0
Avon	0.037	0	0	0	2
Barkhamsted	0.021	0	0	0	1
Beacon Falls	0.034	0	0	0	1
Berlin	0.069	1	0	0	2
Bethany	0.054	1	0	0	0
Bethel	0.022	1	0	0	2
Bethlehem	0.247	0	0	0	0
Bloomfield	0.082	1	0	0	1
Bolton	0.096	0	0	1	0
Bozrah	0.109	1	0	0	2
Branford	0.013	0	0	0	1
Bridgeport	0	2	0	0	0
Bridgewater	0.179	0	0	0	3
Bristol	0.031	1	0	0	3
Brookfield	0.019	0	0	1	0
Brooklyn	0.124	1	0	0	1
Burlington	0.03	1	0	0	5
Canaan	0.083	0	0	0	3
Canterbury	0.113	0	0	0	0
Canton	0.039	1	1	0	1
Chaplin	0.052	0	0	0	2
Cheshire	0.05	0	1	1	3
Chester	0.01	1	0	0	0
Clinton	0.011	1	0	0	0
Colchester	0.058	1	0	0	2
Colebrook	0.031	0	0	0	0
Columbia	0.081	0	0	0	1
Cornwall	0.069	1	2	0	3
Coventry	0.114	1	0	0	1
Cromwell	0.097	0	1	0	0
Danbury	0.012	1	0	0	1
Darien	0.003	1	0	0	0
Deep River	0.014	1	0	0	1
Derby	0.048	0	0	0	0
Durham	0.12	1	0	0	2
East Granby	0.152	0	0	0	2
East Haddam	0.049	0	0	0	1
East Hampton	0.023	0	0	0	1
East Hartford	0.02	2	0	0	2
East Haven	0.029	1	0	0	0
East Lyme	0.033	0	0	0	1
East Windsor	0.276	0	0	0	3
Eastford	0.07	0	0	0	0
Easton	0.043	0	1	0	1
Ellington	0.236	1	0	0	4
Enfield	0.159	1	1	0	1
Essex	0.014	1	0	0	0
Fairfield	0.019	2	0	1	0
Farmington	0.042	1	0	0	1

Franklin	0.192	0	1	0	1
Glastonbury	0.077	0	1	0	9
Goshen	0.122	0	1	0	2
Granby	0.089	0	2	1	2
Greenwich	0.008	1	0	0	1
Griswold	0.098	0	0	0	0
Groton	0.005	1	0	0	2
Guilford	0.052	1	1	1	3
Haddam	0.026	1	1	0	1
Hamden	0.026	2	2	0	2
Hampton	0.099	1	0	0	1
Hartford	0.005	7	1	1	0
Hartland	0.011	0	0	0	0
Harwinton	0.071	0	1	0	2
Hebron	0.079	1	0	0	0
Kent	0.096	1	1	0	3
Killingly	0.043	1	0	0	1
Killingworth	0.024	0	1	0	0
Lebanon	0.2	1	0	0	2
Ledyard	0.047	1	2	1	2
Lisbon	0.073	0	0	0	1
Litchfield	0.144	1	1	0	5
Lyme	0.039	0	0	0	0
Madison	0.01	1	0	1	1
Manchester	0.018	2	0	0	1
Mansfield	0.104	2	1	0	2
Marlborough	0.029	1	0	0	0
Meriden	0.043	1	1	0	1
Middlebury	0.06	0	0	0	0
Middlefield	0.188	0	0	0	1
Middletown	0.079	2	0	0	0
Milford	0.007	2	0	0	0
Monroe	0.02	1	0	0	2
Montville	0.025	0	0	0	0
Morris	0.166	0	0	0	2
Naugatuck	0.017	1	0	0	0
New Britain	0.001	1	1	1	0
New Canaan	0.005	1	0	0	0
New Fairfield	0.007	0	0	0	0
New Hartford	0.071	1	0	0	2
New Haven	0	5	0	3	0
New London	0.005	1	0	1	0
New Milford	0.093	1	2	1	6
Newington	0.013	1	0	0	0
Newtown	0.051	1	0	0	3
Norfolk	0.046	1	0	0	0
North Branford	0.08	0	0	0	2
North Canaan	0.247	0	0	0	0
North Haven	0.042	0	0	0	3
North Stonington	0.096	0	0	0	0
Norwalk	0	1	0	0	0
Norwich	0.065	2	0	0	0
Old Lyme	0.02	0	0	0	0
Old Saybrook	0.001	1	1	0	0
Orange	0.029	0	0	0	3
Oxford	0.037	0	1	0	2

Plainfield	0.118	1	0	0	3
Plainville	0.006	0	0	0	0
Plymouth	0.04	0	0	0	3
Pomfret	0.17	0	0	0	1
Portland	0.061	0	1	0	1
Preston	0.154	1	0	0	2
Prospect	0.013	0	1	0	1
Putnam	0.071	1	0	0	0
Redding	0.035	0	0	1	1
Ridgefield	0.014	1	3	0	2
Rocky Hill	0.151	0	0	0	0
Roxbury	0.139	0	0	0	1
Salem	0.08	0	1	0	1
Salisbury	0.163	0	0	0	0
Scotland	0.168	1	1	0	1
Seymour	0.021	1	0	0	1
Sharon	0.166	0	0	0	2
Shelton	0.047	1	0	0	4
Sherman	0.085	0	0	0	1
Simsbury	0.079	1	1	1	2
Somers	0.221	1	0	0	1
South Windsor	0.179	1	0	0	1
Southbury	0.078	1	0	0	2
Southington	0.048	1	0	0	2
Sprague	0.1	0	0	0	0
Stafford	0.036	1	1	1	1
Stamford	0.006	2	0	0	0
Sterling	0.097	0	1	0	2
Stonington	0.081	3	0	1	0
Stratford	0.001	1	0	0	0
Suffield	0.303	1	1	1	4
Thomaston	0.027	1	0	0	1
Thompson	0.076	0	0	0	4
Tolland	0.038	1	0	0	1
Torrington	0.058	1	0	0	0
Trumbull	0.002	1	0	0	1
Union	0.026	0	0	0	2
Vernon	0.022	0	0	0	0
Voluntown	0.051	0	1	1	2
Wallingford	0.113	1	1	0	1
Warren	0.079	0	0	0	0
Washington	0.172	0	1	0	2
Waterbury	0.001	4	0	0	0
Waterford	0.008	1	1	0	0
Watertown	0.137	1	0	0	3
West Hartford	0.002	2	0	0	0
West Haven	0	1	0	0	0
Westbrook		0	0	0	1
Weston	0.001	0	0	0	0
Westport	0.001	1	1	1	0
Wethersfield	0.063	1	0	0	2
Willington	0.046	0	0	0	0
Wilton	0.01	2	0	1	1
Winchester	0.037	0	0	0	0
Windham	0.085	1	0	0	2
Windsor	0.124	2	1	0	0

Windsor Locks	0.029	0	0	0	0
Wolcott	0.005	0	0	0	0
Woodbridge	0.025	0	1	2	1
Woodbury	0.132	1	0	0	1
Woodstock	0.159	0	1	0	3